<b>~</b>			_		
Form 3160-3 (February 2005) UNITED STATES	1			FORM AF OMB No. Expires Ma	
DEPARTMENT OF THE I BUREAU OF LAND MAN	INTERIOR			5. Lease Serial No. UTU 56965	
APPLICATION FOR PERMIT TO DRILL OR REENTER				6. If Indian, Allotee o	r Tribe Name
la. Type of work:	ER			7 If Unit or CA Agreer	nent, Name and No.
lb. Type of Well: ☐ Oil Well				8. Lease Name and We HOSS 18-32	ell No.
2. Name of Operator EOG RESOURCES, INC	9. API Well No. <b>4</b> 3	3-047-389			
3a. Address       1060 EAST HIGHWAY 40       3b. Phone No. (include area code)         VERNAL, UT 84078       435-781-9111			10. Field and Pool, or Exploratory NATURAL BUTTES		
4. Location of Well (Report location clearly and in accordance with an At surface 640374x381 FSL 1632 FWL SESW 40.0730	11. Sec., T. R. M. or Blk	and Survey or Area			
At proposed prod. zone SAME 44369534 40.0730	SECTION 32, T	8S, R23E S.L.B.&M			
14. Distance in miles and direction from nearest town or post office*  37.3 MILES SOUTH OF VERNAL, UTAH			12. County or Parish UINTAH	13. State	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  610 DRILLING LINE	16. No. of acres in lease     17. Spacin       640     40		ng Unit dedicated to this well		
Distance from proposed location*     to nearest well, drilling, completed,	19. Proposed	Depth	20. BLM/BIA Bond No. on file		
applied for, on this lease, ft. 1900	9650 NM 2		308		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4898 GL	22. Approximate date work will start*		23. Estimated duration 45 DAYS		
24. Attachments					
The following, completed in accordance with the requirements of Onshor	e Oil and Gas (	Order No.1, must be at	tached to the	is form:	77.00
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).</li> <li>Operator certification</li> <li>Such other site specific information and/or plans as may be required by the</li> </ol>					
BLM.					нау от гециитей ву те
25. Signature		(Printed/Typed)		D	ate

KAYLENE R. GARDNER 12/04/2006 TORY ASSISTANT Name (Printed/Typed)
BRADLEY G. HILL OfficeNVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

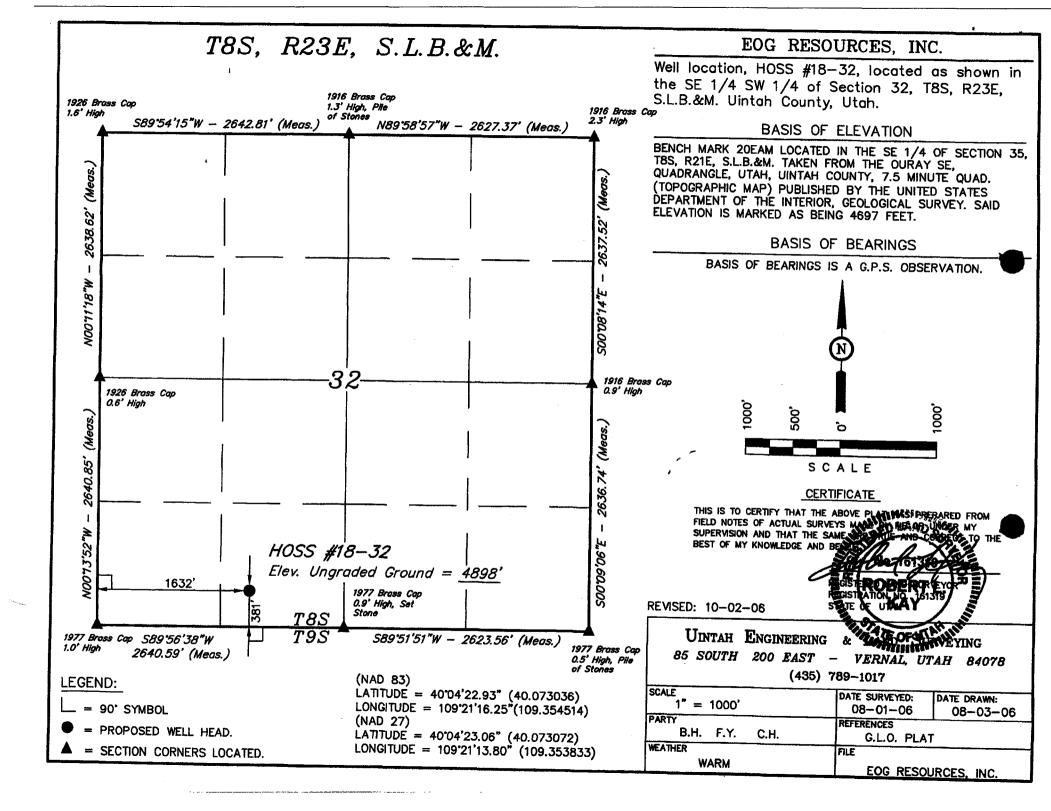
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

Federal Approval of this Action is Necessary

**RECEIVED** DEC 0 6 2006

DIV. OF OIL, GAS & MINING





EOG Resources, Inc. 1060 E Hwy 40 Vernal, Utah 84078

**CERTIFIED MAIL** 

ARTICLE NO: 7006 0100 0004 0589 1496

December 4, 2006

EnCana Oil & Gas (USA), Inc. Attention: Ms. Diana Weber 950 17<sup>th</sup> Street, Suite 2600 Denver, CO 80202

**RE: COMMINGLING APPLICATIONS** 

**HOSS 18-32** 

381 FSL 1632 FWL (SESW) SECTION 32, T8S, R23E UINTAH COUNTY, UTAH LEASE: UTU-56965

Ms. Weber:

EOG Resources, Inc. has filed an application with the State of Utah Department of Oil Gas and Mining requesting commingling approval in the Wasatch and Mesaverde formations for the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased hole logs. Production from the Wasatch, and Mesaverde formations will be commingled in the wellbore and produced through open ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached is a map showing the location of all wells on contiguous oil and gas leases or drilling units and an affidavit showing that this application has been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

Sincerely,

Kaylehe R. Gardner Sr. Regulatory Assistant ) ss

## COUNTY OF UINTAH )

## **VERIFICATION**

Kaylene R. Gardner, of lawful age, being first duly sworn upon oath, deposes and says:

She is the Sr. Regulatory Assistant of EOG Resources, Inc., of Vernal, Utah. EOG Resources, Inc. is the operator of the following described well:

## HOSS 18-32 381' FSL – 1632' FWL (SESW) SECTION 32, T8S, R23E UINTAH COUNTY, UTAH

EOG Resources, Inc., Encana Oil & Gas (USA) Inc, Exhibit A are the only owners in the well and/or of all contiguous oil and gas leases or drilling units overlying the pool.

On the 4<sup>th</sup> day of December 2006 she placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope which contained these instruments was addressed to the Utah Division of Oil, Gas & Mining, Bureau of Land Management, and Encana Oil & Gas (USA) Inc.

Further affiant saith not.

Kaylenë R. Gardner Sr. Regulatory Assistant

Subscribed and sworn before me this 4<sup>th</sup> day of December, 2006.

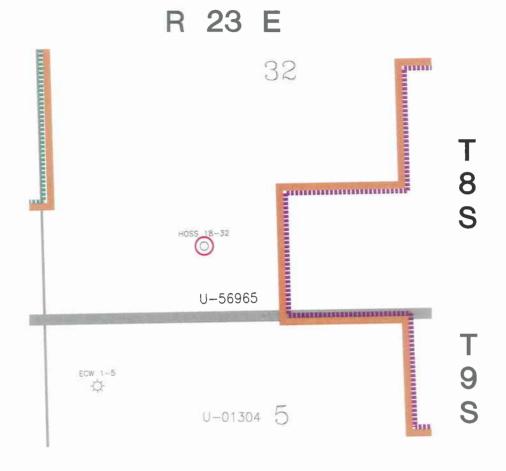
Notary Public
CHERYLE A. SNOW
3123 West 1790 South
Vernal, Utah 84078
My Commission Expires
August 1, 2009
State of Utah

My Commission Expires: 8/

Cheryle G. Snow Notary Public

## Exhibit "A" to Affidavit Hoss 18-32 Application to Commingle

Encana Oil & Gas (USA) Inc. 950 17th Street, Suite 2600 Denver, Colorado 80202 Attn: Ms. Diana Weber

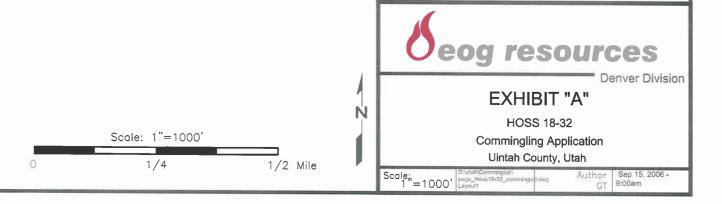


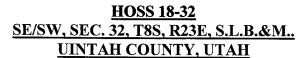


Badlands Unit Outline

Wasatch/Mesaverde/Mancos Fms P.A. "B"

Wasatch/Mesaverde/Mancos Fms P.A. "C"





## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	2,074		Shale	
Wasatch	4,996	Primary	Sandstone	Gas
Chapita Wells	5,628	Primary	Sandstone	Gas
Buck Canyon	6,343	Primary	Sandstone	Gas
North Horn	6,908	Primary	Sandstone	Gas
KMV Price River	7,459	Primary	Sandstone	Gas
KMV Price River Middle	8,322	Primary`.	Sandstone	Gas
KMV Price River Lower	9,121	Primary	Sandstone	Gas
Sego	9,446		Sandstone	
TD	9,650			

Estimated TD: 9,650' or 200'± below Sego top

Anticipated BHP: 5,270 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

EOG Resources, Inc. requests authorization for commingling of production from the Wasatch and Mesaverde formations in the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbore and produced through open ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached is a map showing the location of all wells on contiguous oil and gas leases or drilling units and an affidavit showing that this application has been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig BOP schematic diagrams attached.



## <u>HOSS 18-32</u> <u>SE/SW, SEC. 32, T8S, R23E, S.L.B,&M..</u> <u>UINTAH COUNTY, UTAH</u>

#### 4. CASING PROGRAM:

HOLE SIZE	INTERVAL	LENGTH	SIZE	WEIGHT	GRADE	THREAD		ING FACTOR SE BURST TENSILE
Conductor:	26"	0'-45'	13 3/8"	48.0#	H-40	STC	770 PSI	1730 PSI 322,000#
Surface:	17 ½"	45' - 2,300'KB±	9-5/3"	36.0#	J-55	STC	2020 PSI	3520 Psi 394,000#
Production:	7-7/8"	2,300'± - TD	4-1/2"	11.6#	P-110	LTC	7560 PSI	10,710 Psi 284,000#

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5%" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone. All casing will be new or inspected.

#### 5. Float Equipment:

## Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

### Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

#### Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

<u>Production Hole Procedure (2300' $\pm$  - TD):</u> Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'±-TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be



## **HOSS 18-32** SE/SW, SEC. 32, T8S, R23E, S.L.B.&M.. **UINTAH COUNTY, UTAH**

used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

## 7. VARIANCE REQUESTS:

Onshore Oil and Gas Order No. 2 - Item E: Special Drilling Operations Reference:

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

## 8. EVALUATION PROGRAM:

Logs:

Mud log from base of surface casing to TD.

Cased-hole Logs:

Cased-hole logs will be run in lieu of open-hole logs consisting of the following:

Cement Bond / Casing Collar Locator and Pulsed Neutron

## 9. <u>CEMENT PROGRAM:</u>

## Surface Hole Procedure (Surface - 2300'±):

Lead:

Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCI<sub>2</sub>, 3 lb/sx GR3 ½ #/sx

Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail:

Class "G" cement with 2% CaCI<sub>2</sub>, ½#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps

water.

Top Out: As necessary with Class "G" cement with 2% CaCI<sub>2</sub>, ½#/sk Flocele mixed at 15.6 ppg, 1.18

ft<sup>3</sup>/sk., 5.2 gps water.

Note:

Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

## Production Hole Procedure (2300'± - TD)

Lead:

152 sks: Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29

(cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

## HOSS 18-32 SE/SW, SEC. 32, T8S, R23E, S.L.B.&M.. UINTAH COUNTY, UTAH

Tail:

910 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

Note:

The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch. Final Cement volumes will be based upon gauge-hole plus 45% excess.

## 10. ABNORMAL CONDITIONS:

### Surface Hole (Surface - 2300'±):

Lost circulation

#### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

## 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

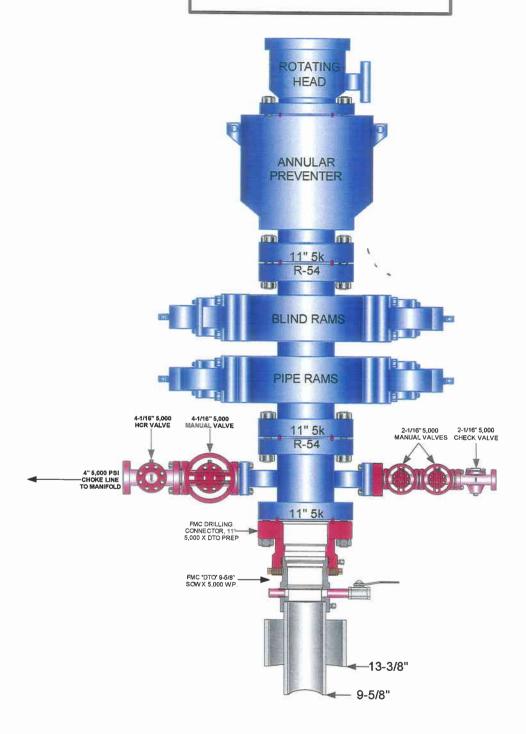
#### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)

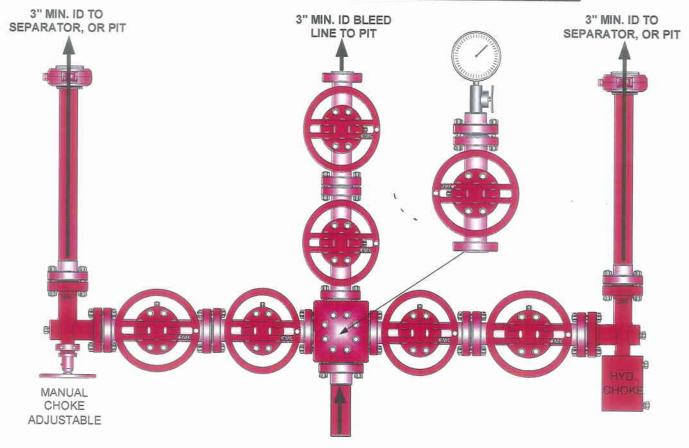
## EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION

#### PAGE 1 OF 2



# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES

**PAGE 2 0F 2** 



4" 5,000 PSI CHOKE LINE FROM HCR VALVE

## **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

# og resources

## HOSS 18-32 SESW, Section 32, T8S, R23E Uintah County, Utah

### SURFACE USE PLAN

## **NOTIFICATION REQUIREMENTS**

Location Construction:

Forty-eight (48) hours prior to construction of location and access

roads.

**Location Completion:** 

Prior to moving on the drilling rig.

Spud Notice:

At least twenty-four (24) hours prior to spudding the well.

Casing String and

Cementing:

Twenty-four (24) hours prior to running casing and cementing

all casing strings.

BOP and related

**Equipment Tests:** 

Twenty-four (24) hours prior to running casing and tests.

First Production Notice: Within five (5) business days after new well begins or production

resumes after well has been off production for more than ninety (90)

days.

The well pad is approximately 325 feet long with a 231-foot width, containing 1.72 acres more or less. The well access road is approximately 200 feet long with a 30-foot right-of-way, disturbing approximately 0.14 acre. New surface disturbance associated with access road and the well pad is estimated to be approximately 1.86 acres. The pipeline is approximately 184 feet long within Federal Lease UTU-56965 disturbing approximately 0.17 acre.

### 1. EXISTING ROADS:

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 37.3 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 200' in length. One (1) 24"x40' CMP shall be installed in the burrow ditch of the main road where the access road begins.
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.
- I. No permanent road right-of-way on Federal acreage is required.

All travel will be confined to existing access road right-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking.

The road shall be constructed/upgraded to meet the standards to the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed

safe road. Prior to upgrading the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation or debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

See attached TOPO map "C" for the location of wells within a one-mile radius.

## 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400 BBL vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.
- 3. One (1) two-foot berm shall be constructed on the south side of the location after the reserve pit is reclaimed to divert runoff water to the west.

#### B. Off Well Pad

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. The length of the new proposed pipeline is 184' x 40'. The proposed pipeline leaves the eastern edge of the well pad (Lease UTU 56965) proceeding in a northerly direction for an approximate distance of 184' tieing into an existing pipeline located in the SESW of Section 32, T8S, R23E (Lease UTU-56965). Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lok, electric weld with a 35 mil X-Tru coating.

- 3. Proposed pipeline will be a 4" OD steel, Zap-Lok line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and /or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. All existing facilities will be painted with Carlsbad Canyon. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/ or Target Trucking Inc.'s water source in the SW/SW. Sec 35, T9S, R22E Uintah County, Utah (State Water Right # 49-1501, and/or Bonanza Power Plant water source in Sec 26, T8S, R23E Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

## 6. Source of Construction Materials:

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.

- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt (Polyswell shall be used if needed) and a 16 millimeter plastic liner.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

#### 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the east corner of the location. The flare pit will be located downwind of the prevailing wind direction on the south side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled location topsoil will be stored between corners A and 3, and corner 7 and the access road. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpiller tractor.

Access to the well pad will be from the west.

#### **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## 10. PLANS FOR RECLAMATION OF THE SURFACE:

#### A. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

Seed Mixture	Drilled Rate (lbs./acre PLS*)
Crested Wheatgrass	9.0
Prostrate Kochia	3.0

<sup>\*</sup>Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

#### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

Seed Mixture	Drilled Rate (lbs:/acre PLS*)
Gardner Saltbush	3.0
Shadscale	3.0
Crested Wheatgrass	3.0

<sup>\*</sup>Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

Bureau of Land Management

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.
- C. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.
- D. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage

on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" and "Right-of-Way grant", if applicable, will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and submitted 10/4/2006 by Montgomery Archaeological Consultants. A Paleontology survey was conducted and submitted 10/13/2006 by Dr. Wade Miller.

#### Other Requirements:

The water diversion dam (as shown on the cut sheet) shall be constructed with a spillway to the north.

#### **Additional Surface Stipulations:**

Prior to any construction between February 1 and July 15, all areas within 0.5 mile of the proposed location shall be surveyed for golden eagles as well as other raptors. If active nests are identified, and no surface disturbance will occur until the nest has been inactive for a two-year period. If no nests are found within 0.5 mile of the proposed location, construction and drilling can occur.

## LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### **PERMITTING AGENT**

Kaylene R. Gardner EOG Resources, Inc. P.O. Box 1815 Vernal, Ut 84078 (435) 781-9111

#### **DRILLING OPERATIONS**

Donald Presenkowski EOG Resources, Inc. P.O. Box 250 Big Piney, WY 83113 307-276-4865

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Hoss 18-32 well, located in SESW, of Section 32, T8S, R23E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

December 4, 2006

Date

aylene R. Gardner, Sr. Regulatory Assistant

# Request for Exception to Buried Pipeline Requirement \$\int \bigvarphi \text{ HOSS 18-32}\$ SENE, Sec. 32, T8S, R23E UTU-56965

EOG Resources, Inc. requests a variance to the requirement for a buried gas sales pipeline for the referenced well for the following reasons:

- 1. In order to bury pipe on the gas sales line route, additional surface disturbance relative to surface pipeline would be approximately <u>50'X Length</u> acres.
- 2. Ripping, cutting, or blasting of rock would be required, which in turn would leave long-term spoils on the right-of-way.
- 3. The disturbed soils on the pipeline corridor would be difficult to rehabilitate and would be susceptible to noxious weed infestation, which in turn would be hazardous to livestock.
- 4. Supplemental soil to replace removed rock would need to be hauled in from other locations to provide bedding and cover material.
- 5. The buried pipe would need to be coated and/or wrapped to minimize the potential for corrosion-caused gas leaks and blowouts.
- 6. Burying of pipe next to access roads increases the potential for damage, explosion, and fire when using graders and/or dozers for snow removal or road rehabilitation.
- 7. Surface equipment, including risers with blow down valves and pipeline markers will be required, adding to negative visual impact.
- 8. Disturbance of previously rehabilitated pipeline corridor could be necessary if increasing well density requires crossing of the corridor or location construction on the corridor.
- 9. Pipeline corridors subject to poor rehabilitation characteristics are susceptible to high rates of soil erosion.
- 10. Buried shallow pipelines in low areas subject to the occasional presence of standing water are susceptible to movement and surfacing.

## EOG RESOURCES, INC.

HOSS #18-32

LOCATED IN UINTAH COUNTY, UTAH SECTION 32, T8S, R23E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

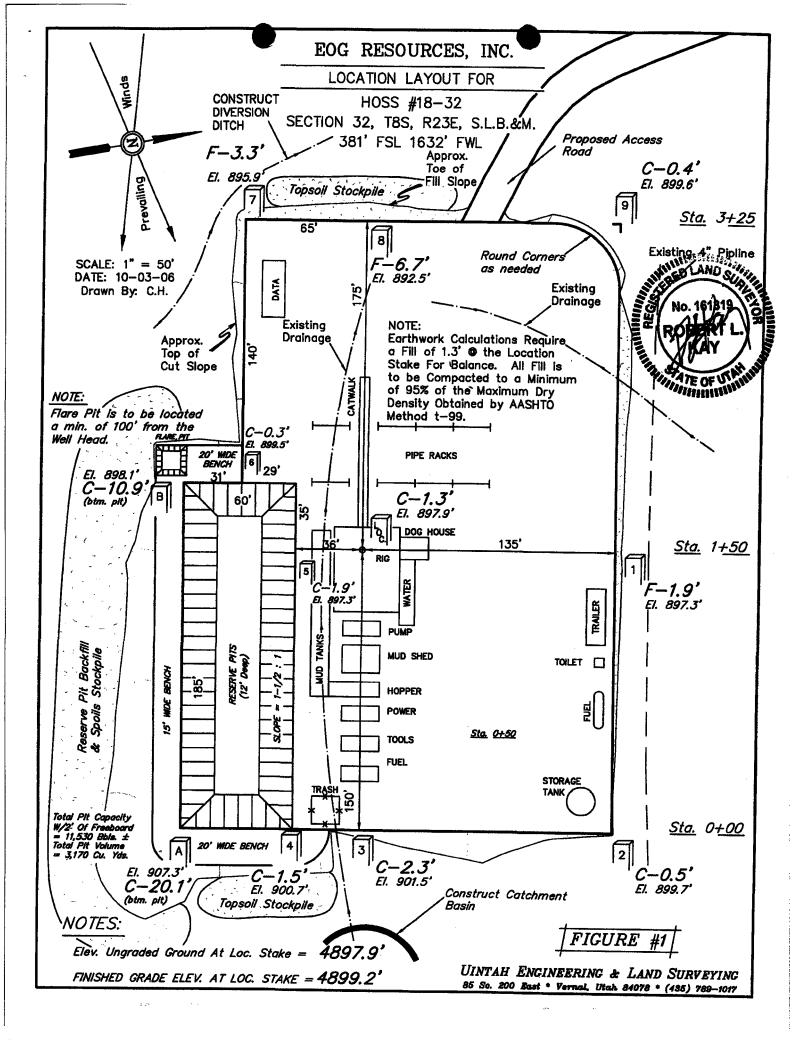


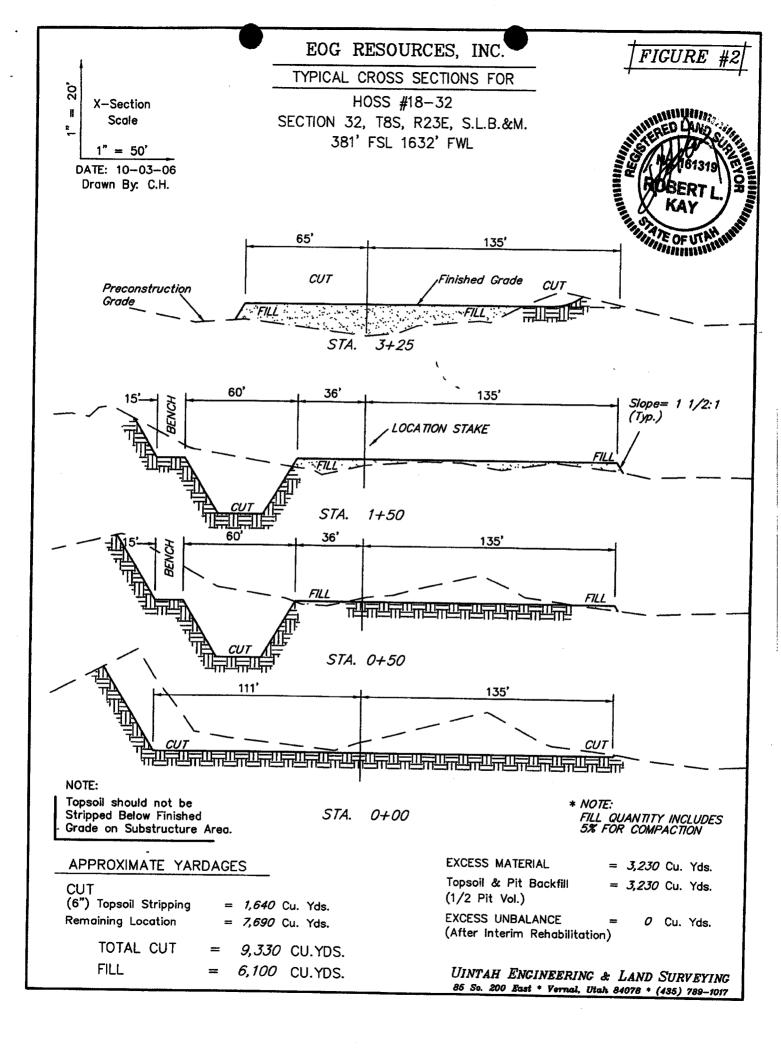
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

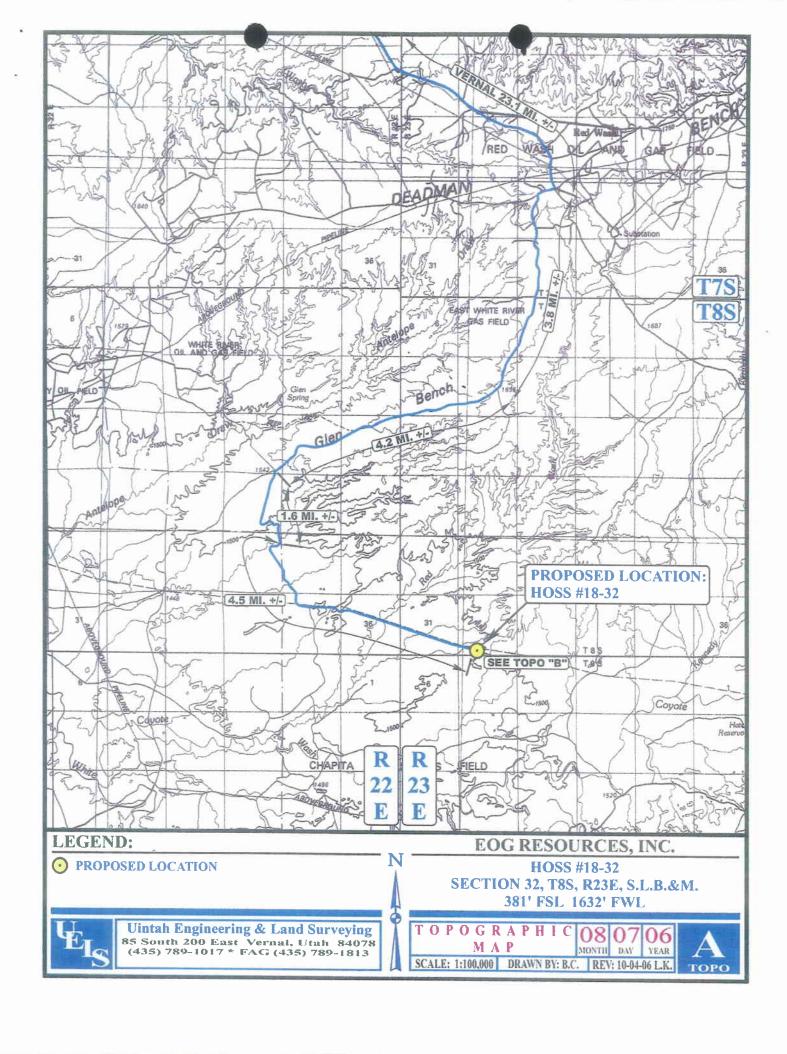
CAMERA ANGLE: SOUTHERLY

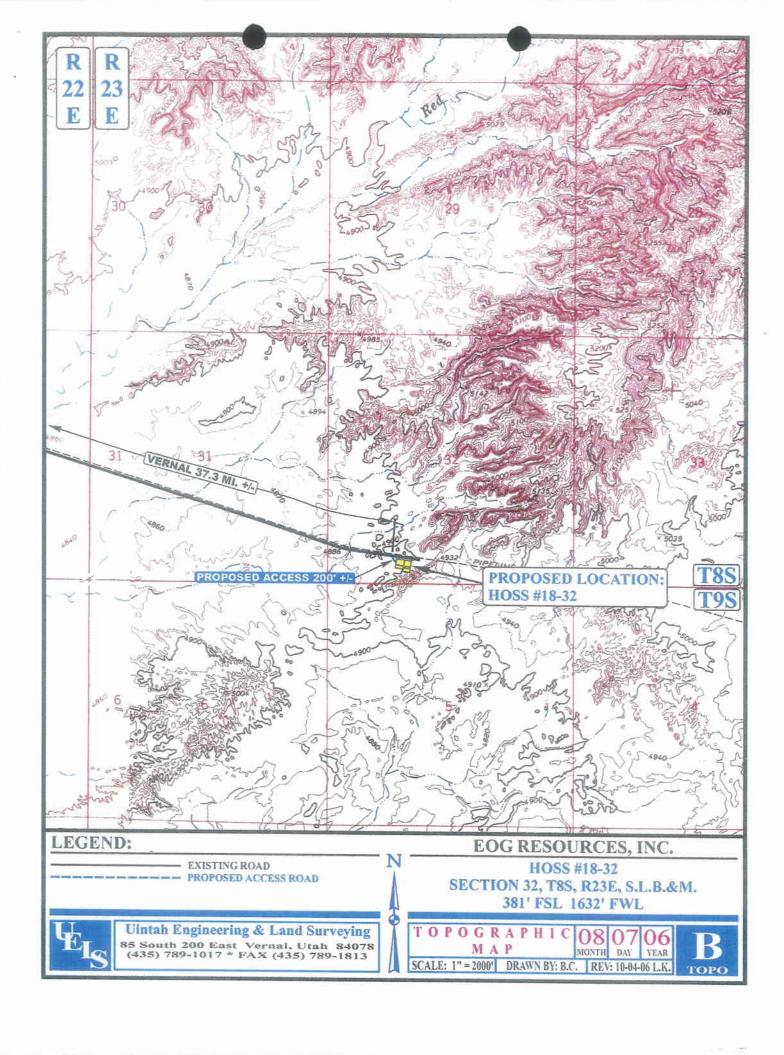


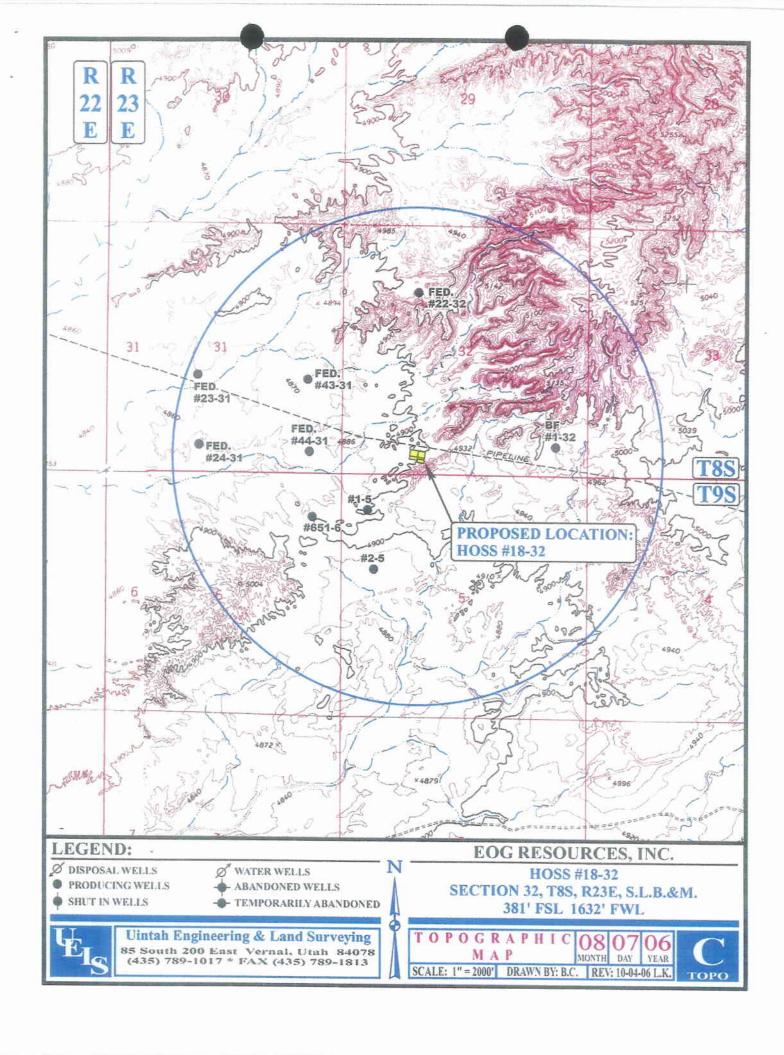
LOCATION PHOTOS		08	07 DAY	06 YEAR	РНОТ
TAKEN BY: B.H.	DRAWN BY: B.	C. REV	: 10-04-	06 L.K.	

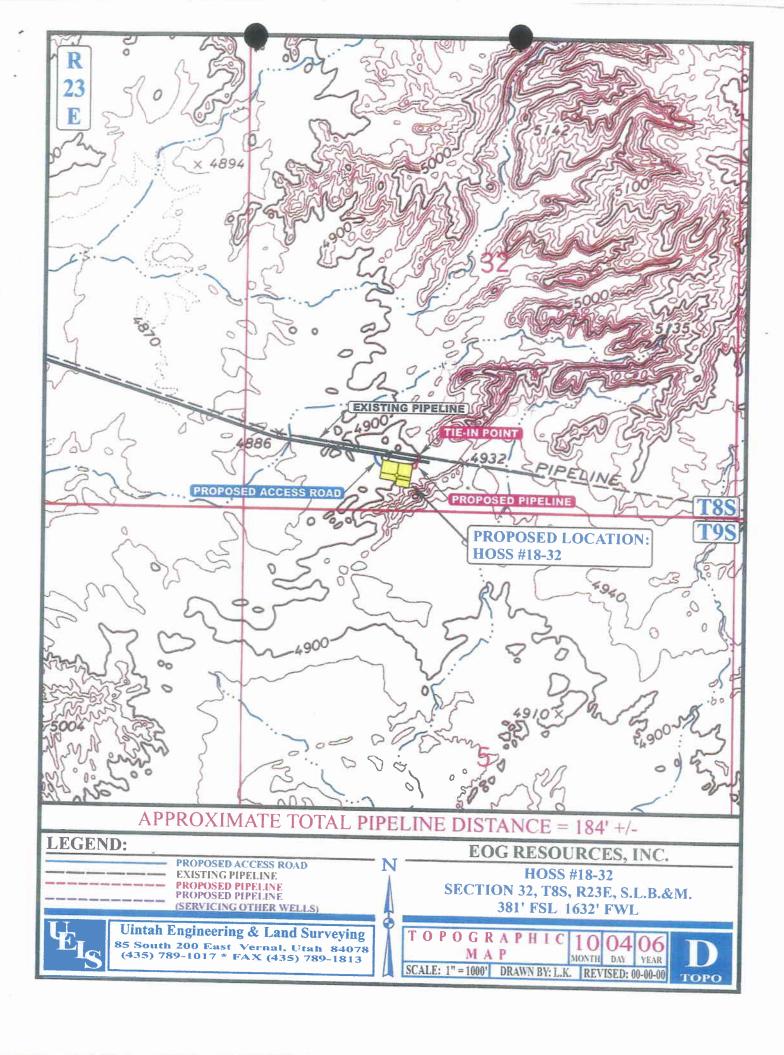




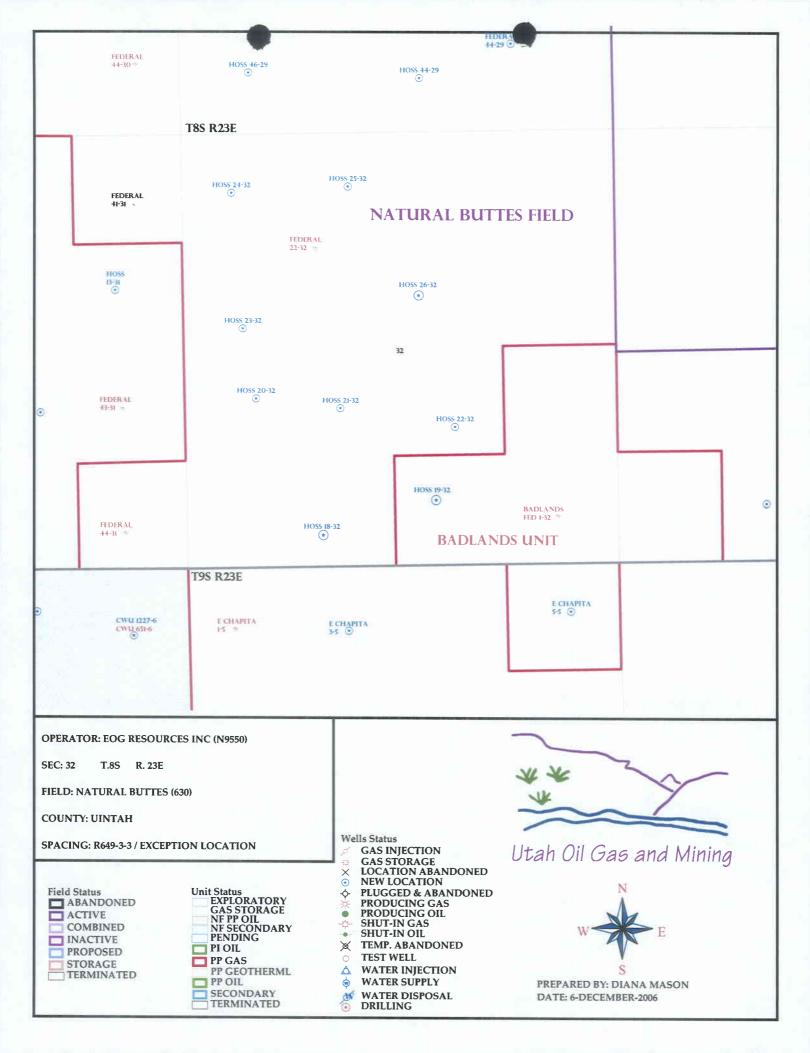








APD RECEIVED: 12/06/2006	API NO. ASSIG	NED: 43-04	7-38905			
WELL NAME: HOSS 18-32						
OPERATOR: EOG RESOURCES INC ( N9550 )	PHONE NUMBER:	435-781-91	11			
CONTACT: KAYLENE GARDNER			•			
PROPOSED LOCATION:	INSPECT LOCATN	BY: /	/			
SESW 32 080S 230E SURFACE: 0381 FSL 1632 FWL	Tech Review	Initials	Date			
BOTTOM: 0381 FSL 1632 FWL	Engineering	DKD	12/21/06			
COUNTY: UINTAH	Geology					
LATITUDE: 40.07305 LONGITUDE: -109.3538  UTM SURF EASTINGS: 640374 NORTHINGS: 4436953	Surface					
FIELD NAME: NATURAL BUTTES ( 630 )	L					
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU 56965  SURFACE OWNER: 1 - Federal	PROPOSED FORMAT		RV			
RECEIVED AND/OR REVIEWED:	OCATION AND SITING:					
Plat	R649-2-3.					
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit:					
(No. NM 2308 )						
N         Potash (Y/N)        R649-3-2. General           N         Oil Shale 190-5 (B) or 190-3 or 190-13        Siting: 460 From Qtr/Qtr 8			920' Between Wells			
Water Permit	√ R649-3-3. Excep					
(No. <u>49-1501</u> )	Drilling Unit	<u>-</u>				
RDCC Review (Y/N)   - (Date: )		Board Cause No:				
Fee Surf Agreement (Y/N)	Eff Date:					
rec buil Agreement (1/N)	Siting:					
Entent to Commingle (Y/N)  (whater, Mess Verde)	R649-3-11. Dire	ctional Dri	.11			
COMMENTS:						
			<del></del>			
STIPULATIONS: 1- tede de Mappende )						
3-Commersell						
		7 11	1444			





EOG Resources, Inc. 600 Seventeenth Street Suite 1000N

Denver, CO 80202 Main: 303-572-9000 Fax: 303-824-5400

February 8, 2007

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

Attention: Ms. Diana Whitney

RE: Revised

Request for Exception Location

Hoss 18-32 Well Uintah County, Utah

Ladies and Gentlemen:

EOG Resources, Inc. ("EOGR") applied with the Utah Division of Oil, Gas and Mining for a Drilling Permit for the captioned well. The well is scheduled to drill at the following location in the captioned area to a proposed subsurface depth of 9,710 feet to test the Mesa Verde Formation:

Township 8 South, Range 23 East, SLB&M Section 32: SE 1/4 SW 1/4 381' FSL and 1632' FWL

Due to topographic reasons, EOGR is unable to drill this well at a legal location as defined under state rule R649-3-2. We therefore respectfully request that the State grant an exception to State rule R649-3-2 in accordance with rule R649-3-3.

Please be advised that U-56965 covers the SW/4 of Section 32, Township 8 South, Range 23 East. This lease is owned as shown on the attached Exhibit "B." By copy of this letter to EnCana Oil & Gas (USA), Inc., EOGR is requesting that said party provide their written consent to the exception location by dating, signing, and forwarding the duplicate original hereof to the Utah Division of Oil, Gas and Mining at the above address, and provide a copy to the undersigned at the letterhead address. There are no other owners within a 460' radius of the proposed well location.

EOGR respectfully requests that the Utah Division of Oil, Gas and Mining grant administrative approval of this application for an exception location described herein at its earliest opportunity.

RECEIVED FEB 2 6 2007 Utah Division of Oil, Gas and Mining Request for Exception Location Hoss 18-32 Well February 8, 2007 Page 2 of 2

Thank you for your consideration of our request. Should you have any questions regarding this matter, please feel free to give me a call at (303) 824-5436.

Sincerely,

**EOG RESOURCES, INC.** 

Tessa Dean Land Associate

TD/ln

CC:

EnCana Oil & Gas (USA) Inc. 370 17<sup>th</sup> Street, Suite 1700

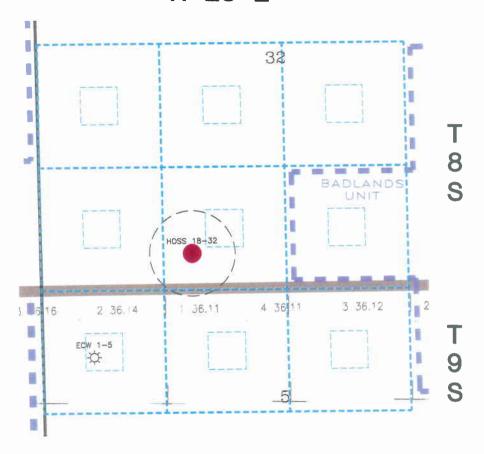
Denver, CO 80202

Attn: Mr. Barrett Brannon

Sheila Singer – Denver Kaylene Gardner – Vernal

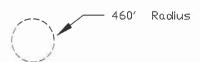
Accepted and agreed to this	day of, 2007
ENCANA OIL & GAS (USA) INC.	
By: Alle	BBO.
Title:	<b>1</b>

R 23 E

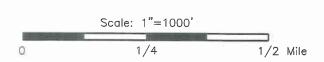


Oil or Gas Well Location Pattern pursuant to Utah Administrative Code Rule R 649—3—2

Legal window within which an oil and gas well could be drilled in compliance with R 649-3-2.



Location at which applicant requests permission to drill the proposed Hoss 18—32 Well: 381' FSL, 1632' FWL (SESW) of Sec. 32, T8S, R23E





## **REVISED 2-8-07**

Exhibit "A"

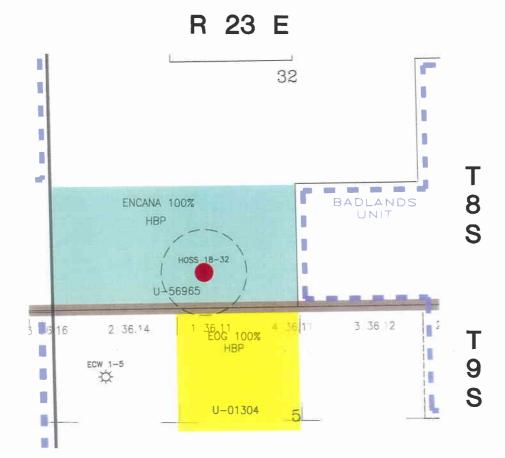


Denver Division

Application for Exception Well Location

HOSS 18-32 Well

UINTAH COUNTY, UTAH



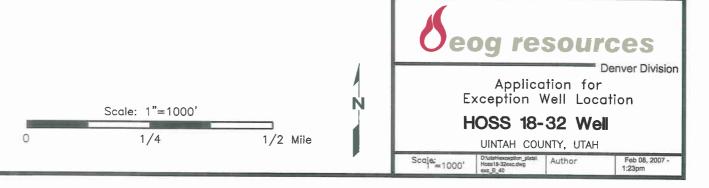
#### Working Interest



Location at which applicant requests permission to drill the proposed Hoss 18—32 Well:
381' FSL, 1632' FWL (SESW) of Sec. 32, T8S, R23E

## **REVISED 2-8-07**

Exhibit "B"





### State of Utah

### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

February 26, 2007

EOG Resources, Inc. 1060 East Highway 40 Vernal, UT 84078

Re: Hoss 18-32 Well, 381' FSL, 1632' FWL, SE SW, Sec. 32, T. 8 South, R. 23 East, Uintah County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

Administrative approval for commingling the production from the Wasatch formation and the Mesaverde formation in this well is hereby granted. Appropriate information has been submitted to DOGM in accordance with R649-3-22. No written objections from owners were received by DOGM.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38905.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc: Uintah County Assessor (via e-mail)

Bureau of Land Management, Vernal District Office

Operator:	EOG Resources	, Inc.	
Well Name & Number	Hoss 18-32		
API Number:	43-047-38905		
Lease:	UTU-56965		
Location: <u>SE SW</u>	Sec. 32	T. 8 South	R. 23 East

### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Form 3160-3 (February 2005)

### RECEIVED VERNAL FIELD OFFIC

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEC 0 4 2006

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

Lease Serial No. UTU 56965

DUDEAU OF LAND MAN	ACEMENT		010 30903		
BUREAU OF LAND MAN  APPLICATION FOR PERMIT TO	DRID OR REENTER	RIUR MGMT.	6. If Indian, Allotee or Tr	ibe Name	
a. Type of work:			7 If Unit or CA Agreement	, Name and No.	
lb. Type of Well: Oil Well Gas Well Other	Single Zone  Multip	ole Zone	8. Lease Name and Well N HOSS 18-32	lo.	
2. Name of Operator EOG RESOURCES, INC			9. API Well No.	3890	
Sa. Address 1060 EAST HIGHWAY 40 VERNAL, UT 84078	3b. Phone No. (include area code) 435-781-9111		10. Field and Pool, or Explor	•	
4. Location of Well (Report location clearly and in accordance with an	ry State requirements.*)		11. Sec., T. R. M. or Blk. and	I Survey or Area	
At surface 993 FSL 1866 FWL SESW 40.0747 At proposed prod. zone SAME	714 LAT 109.353683 LON		SECTION 32, T8S,	R23E S.L.B.&M	
Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
37.3 MILES SOUTH OF VERNAL, UTAH			UINTAH	UT	
5 Distance from proposed* location to nearest property or lease line, ft. 660 LEASE LINE	16. No. of acres in lease		g Unit dedicated to this well		
(Also to nearest drig. unit line, if any) 610 DRILLING LINE	640	40			
8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  1900	19. Proposed Depth   20. BLM/E   9650   NM 2:		VBIA Bond No. on file  2308		
1. Elevations (Show whether DF, KDB, RT, GL, etc.) 4898 GL	22. Approximate date work will start*		23 Estimated duration 45 DAYS		
	24. Attachments				
he following, completed in accordance with the requirements of Onsho	re Oil and Gas Order No.1, must be a	ttached to th	is form:		
. Well plat certified by a registered surveyor.  2. A Drilling Plan.			ns unless covered by an existi	ing bond on file (se	
A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).			ormation and/or plans as may	be required by the	
25. Signature	Name (Printed Typed) KAYLENE R. GAI	RDNFR	Date	12/04/2006	
SR. REGULATORY ASSISTANT	1				
Approved by (Signature)	Name (Printed Typed) Texas KEVO	zUS	Date 4	40.5002	
Assistant Field Manager Lands & Mineral Resources	Office VERNAL F	ELD (	FFICE		
Application approval does not warrant or certify that the applicant hold conduct operations thereon.  Conditions of approval, if any, are attached.	ds legal or equitable title to those righ	nts in the sul	oject lease which would entitle	the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a c States any false, fictitious or fraudulent statements or representations as	crime for any person knowingly and to any matter within its jurisdiction.	willfully to r	nake to any department or age	ncy of the United	

\*(Instructions on page 2)

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED

APR 2 4 2007

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

26BM 19/1A

CONDITIONS OF APPROVAL ATTACHED

NOS 8/23/02



# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

**EOG Resources** 

Location:

SESW, Sec. 32, T8S, R23E

Well No:

Hoss 18-32

Lease No:

UTU- 56965

API No:

43-047- 38905

Agreement:

N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Melissa Hawk	(435) 781-4476	(435) 828-7381
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	
		Fax: (435) 781-4410	

# A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

# SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

### **Site Specific Conditions of Approval**

- Bury pipeline at all low water crossings.
- All the culverts and low water crossing would be installed according to the BLM Gold Book.
- Low water crossing will be installed by dipping the road down to the bed of drainage and filling with cobble rock. There will be a low water crossing at the approach of the main road and access road. Also a low water crossing would be needed near the approach of the location.
- During construction and drilling BLM would be contacted if conditions are wet to determined if
  gravel should be used on the roads and location. Once the location has been drilled the gravel
  would be placed between the anchor points and gravel would be placed on the road where the
  clay soils are located.
- A 3 ft dike would be built from stake A to stake 2 and continue the dike in a northern direction approximately 90 feet to a natural berm which would be used as a spillway to divert the runoff from the drainages on the east side of location
- While the location is being drilled, a 2 foot dike would be built from pit stake A to pit stake B and diverted to the nearest drainage.
- After the pit has been closed a 3 ft. dike would be built from stake A all the way across the south half of the location to the nearest drainage
- The pit spoils would have to be placed near stake A, off to the side of the location and not behind the pit.

### **General Surface COA**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

#### DOWNHOLE CONDITIONS OF APPROVAL

### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.
- A variance is granted for Onshore Order #2-Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored"
  - o Blooie line can be 75 feet.
- Production casing cement shall be at a minimum 200 feet inside the surface casing. A CBL shall be run from TD to top of cement and a field copy shall be sent to this field office.
- The commingling approval for the Wasatch and Mesaverde formations can be rescinded at any time the Authorized Officer determines the commingling to be detrimental to the interest of the United States.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
  daily drilling report. Components shall be operated and tested as required by Onshore Oil &
  Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
  performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
  reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
  is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
  Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a
  weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is
  completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

#### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written
  communication and must be received in this office by not later than the fifth business day
  following the date on which the well is placed on production. The notification shall provide, as a
  minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - o Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - o The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will
  be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be
  reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major
  Events" will be reported in writing within 15 days. "Minor Events" will be reported on the
  Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

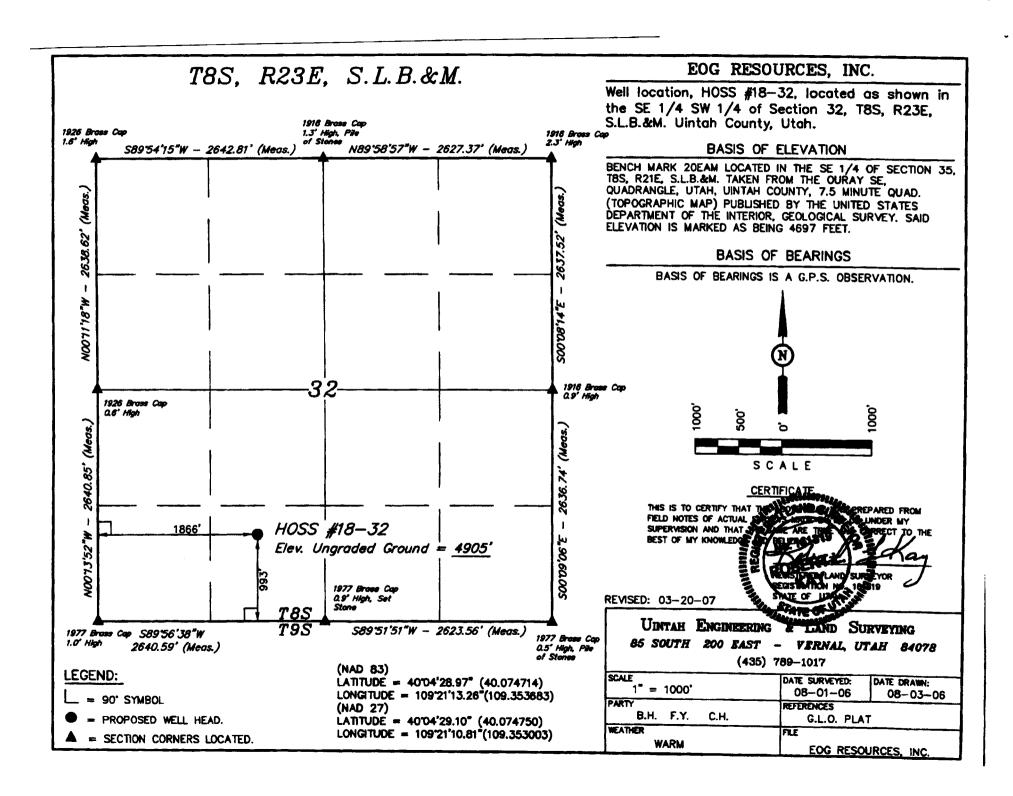
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
  Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
  and all future meter proving schedules. A copy of the meter calibration reports shall be
  submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
  standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
  measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
  to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
  first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
  adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
  sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
  before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
  Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
  order that a representative may witness plugging operations. If a well is suspended or
  abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
  Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
  plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
  casing left in hole, and the current status of the surface restoration.

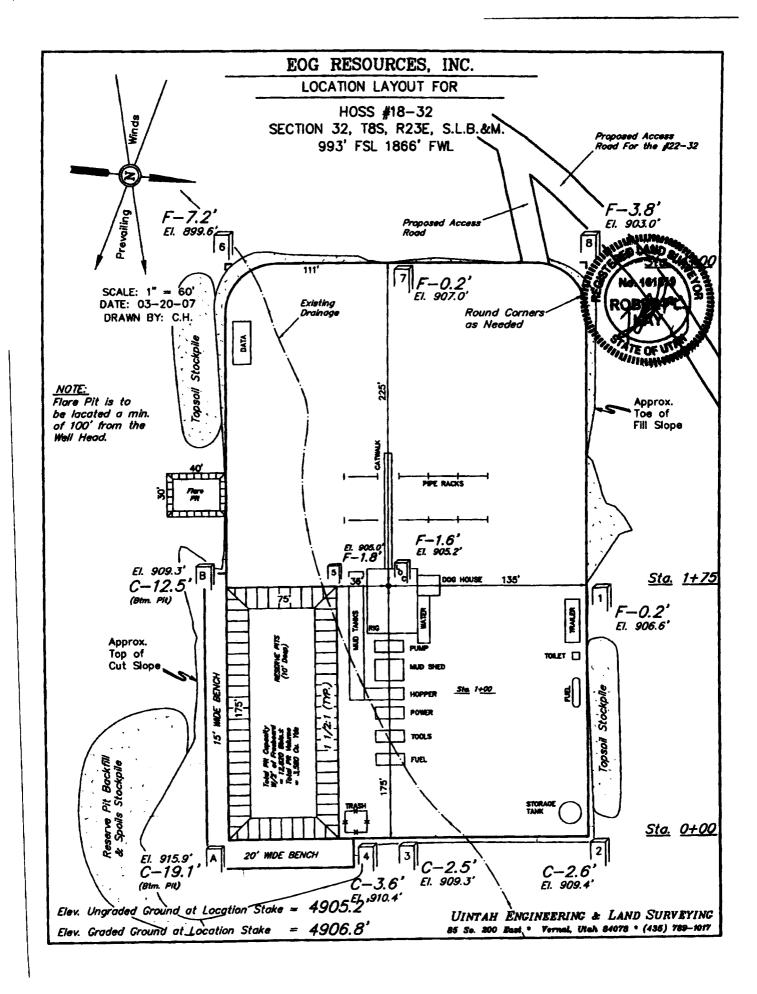
STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES	FORM 9
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-56965
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER	8. WELL NAME and NUMBER: HOSS 18-32
2. NAME OF OPERATOR:	9. API NUMBER:
EOG Resources, Inc.	43-047-\$8905  10. FIELD AND POOL, OR WILDCAT:
3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N OITY Denver STATE CO ZIP 80202 (303) 824-5526	Natural Buttes/Wasatch/Mesaverde
4. LOCATION OF WELL	I lintoh
FOOTAGES AT SURFACE: 993' FSL & 1866' FWL 40.074714 LAT 109.353683 LON	соинту: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 32 8S 23E S	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
✓ NOTICE OF INTENT □ ACIDIZE □ DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	UENT OR FLARE
CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME  PLUG BACK  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE	✓ other: Move Location
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volui	mes, etc.
EOG Resources, Inc. requests permission to move the referenced location	
·	
From: 381' FSL & 1632' FWL 640441 X 40.074724 To: 993' FSL & 1866' FWL 4437140 Y - 109.353003	
· · · · · · · · · · · · · · · · · · ·	
The proposed location was moved per BLM request, due to Paleontological resources four	nd in the area.
Approved by the	
Utah Division of	
Oil, Gas and Mining	
Deta: 05-17-18/t	
	COPY SENT TO OPERATOR
By: Diades All	Date: 3-18-01
NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Ass	istant
SIGNATURE MAIN DATE 4/27/2007	

(This space for State use only)

FLUCIVED

APR 3 0 2007





### \$ X-Section Scale 1" = 100'

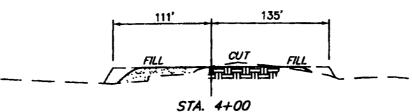
DATE: 03-20-07 DRAWN BY: C.H.

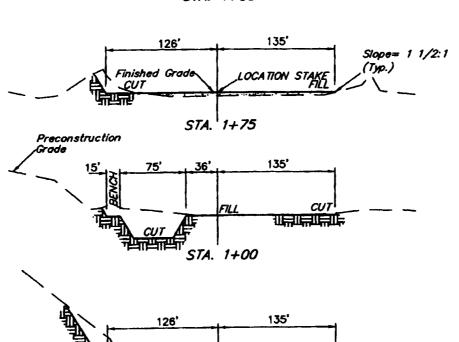
# EOG RESOURCES, INC.

### TYPICAL CROSS SECTIONS FOR

HOSS #18-32 SECTION 32, T8S, R23E, S.L.B.&M. 993' FSL 1866' FWL







STA. 0+00

NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping

= 2,180 Cu. Yds.

Remaining Location

= 8,300 Cu. Yds.

TOTAL CUT

= 10,480 CU.YDS.

FILL

= 6,510 CU.YDS.

**CUT** 

FILL QUANTITY INCLUDES
5% FOR COMPACTION

EXCESS MATERIAL

= 3,970 Cu. Yds.

Topsoil & Pit Backfill

= 3,970Cu. Yds.

(1/2 Pit Vol.)

**EXCESS UNBALANCE** 

Cu. Yds.

(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING 85 So. 200 East \* Yernal, Utah 84078 \* (485) 789-1017

### EOG RESOURCES, INC.

HOSS #18-32

LOCATED IN UINTAH COUNTY, UTAH SECTION 32, T8S, R23E, S.L.B.&M.

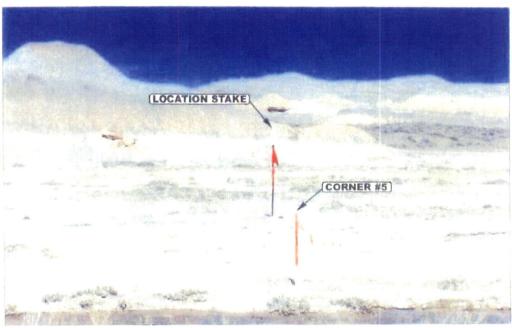


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

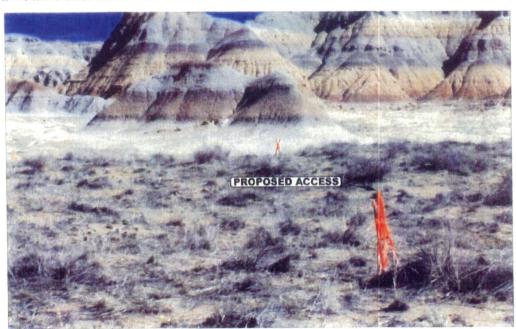


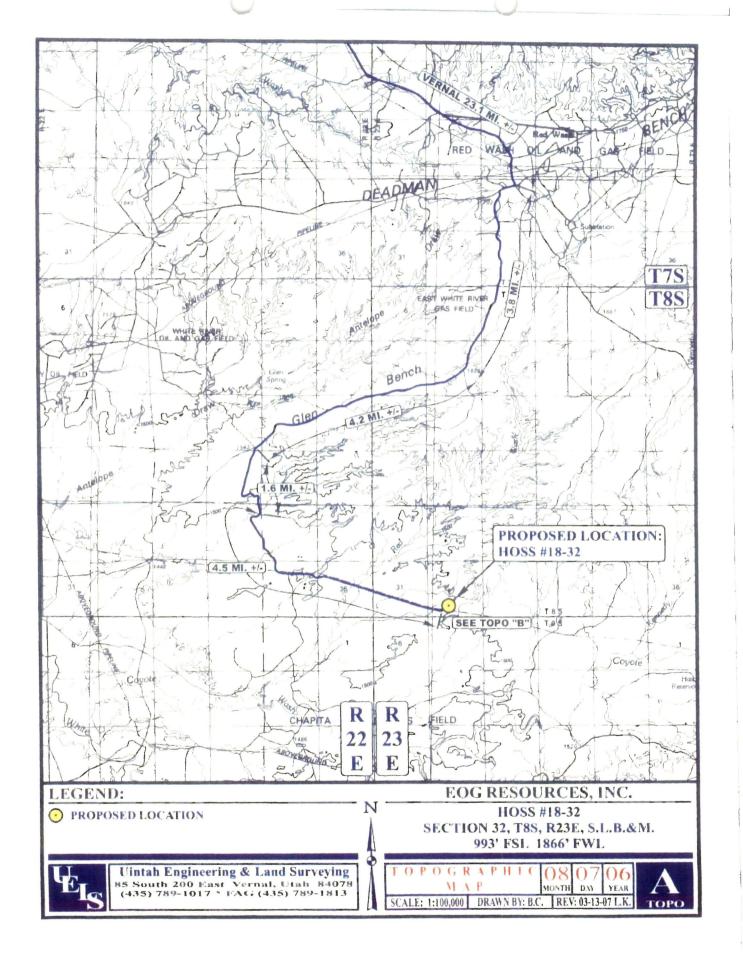
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

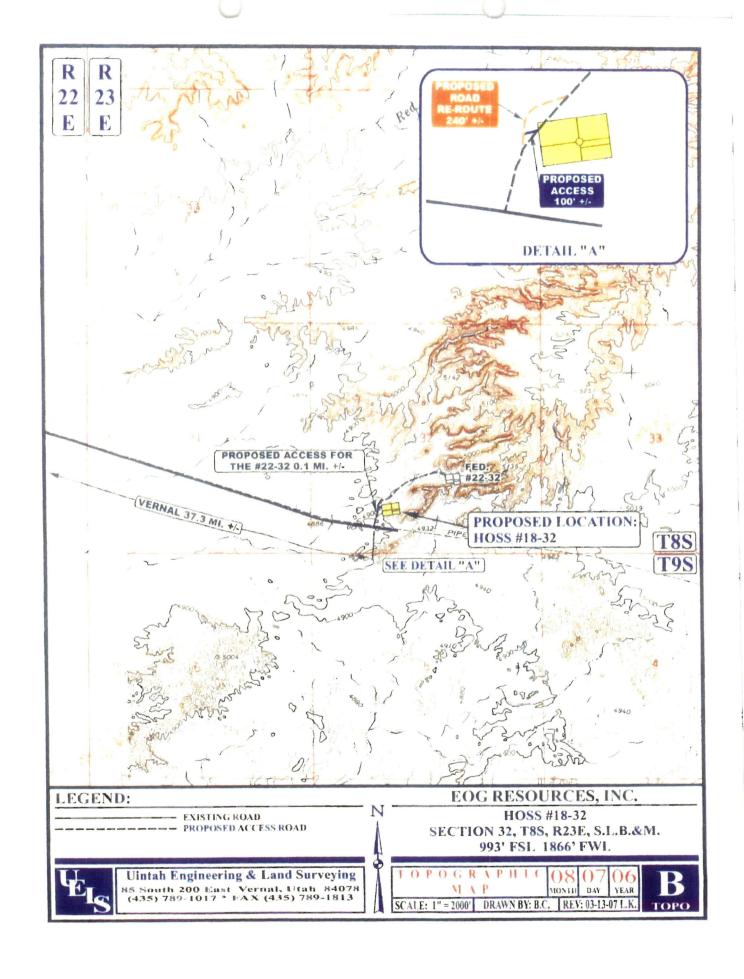
CAMERA ANGLE: NORTHERLY

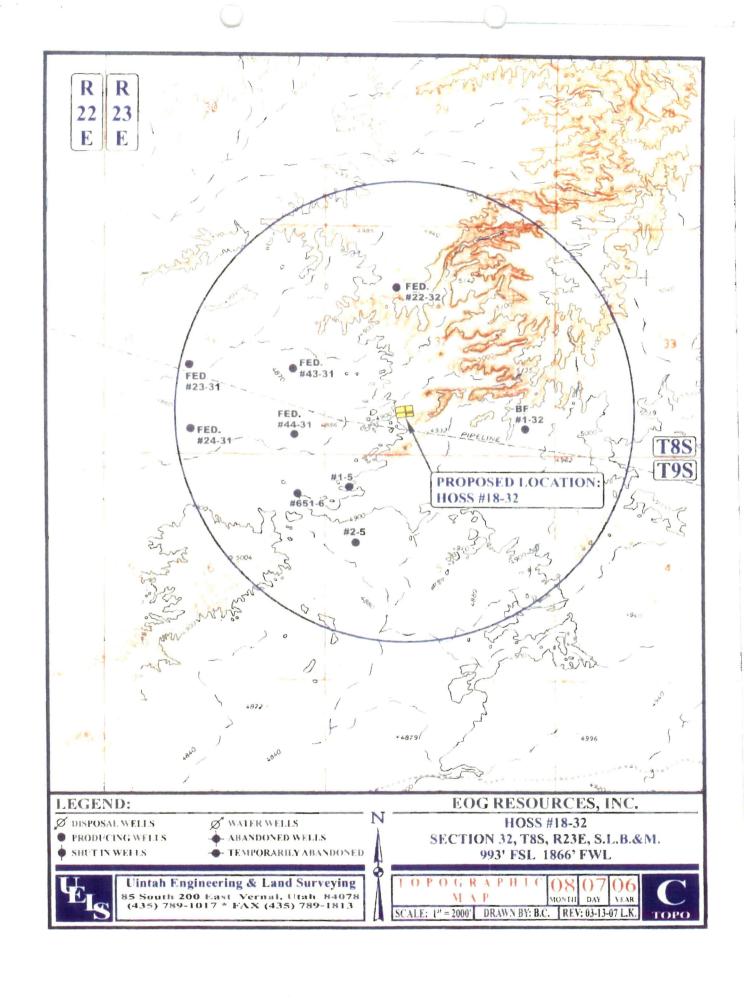


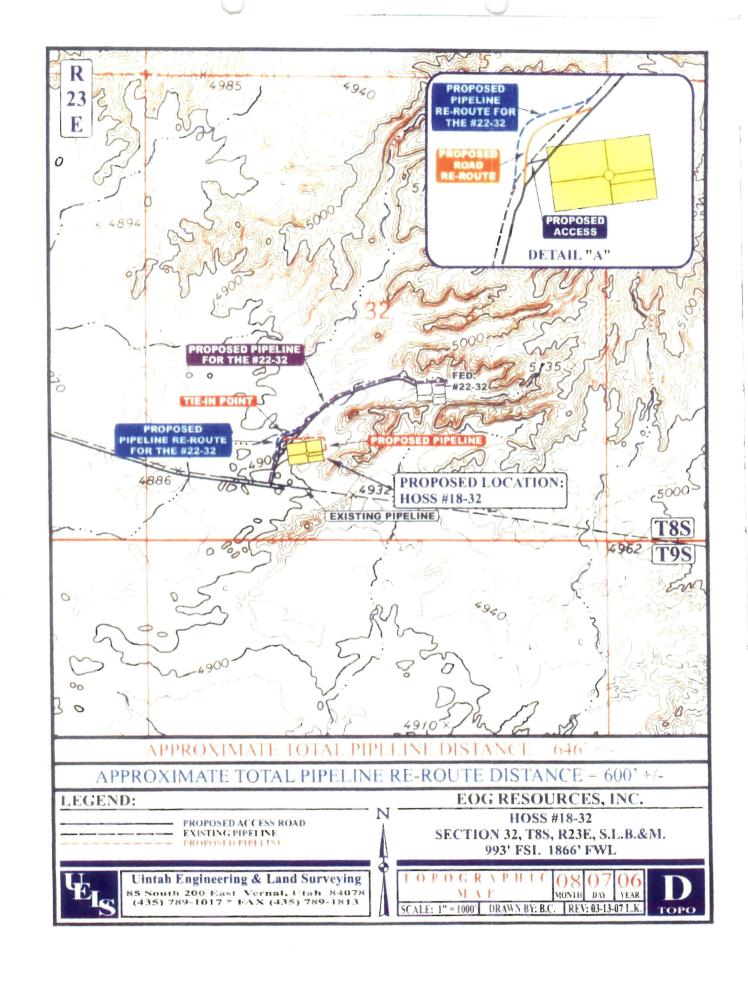
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 vernal, Utah 84078
uels@uelsinc.com

LOCATION P	HOTOS	08 MONTH	0.14	06 YEAR	рното
TAKEN BY: B.H.	DRAWN BY: B.C.	REV	: 03-13-	07 L.K.	











May 11, 2007

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

Attention: Ms. Diana Whitney

RE:

**Revised 5/4/07** 

Request for Exception Location Hoss 18-32 Well Uintah County, Utah

#### Ladies and Gentlemen:

EOG Resources, Inc. ("EOGR") applied with the Utah Division of Oil, Gas and Mining for a Drilling Permit for the captioned well. The well is scheduled to drill at the following location in the captioned area to a proposed subsurface depth of 9,710 feet to test the Mesa Verde Formation:

Township 8 South, Range 23 East, SLB&M Section 32. SE ¼ SW ¼ 993' FSL and 1866' FWL

Due to topographic reasons, EOGR is unable to drill this well at a legal location as defined under state rule R649-3-2. We therefore respectfully request that the State grant an exception to State rule R649-3-2 in accordance with rule R649-3-3.

Please be advised that U-56965 covers the SW/4 of Section 32, Township 8 South, Range 23 East. This lease is owned as shown on the attached Exhibit "B." By copy of this letter to EnCana Oil & Gas (USA), Inc., EOGR is requesting that said party provide their written consent to the exception location by dating, signing, and forwarding the duplicate original hereof to the Utah Division of Oil, Gas and Mining at the above address, and provide a copy to the undersigned at the letterhead address. There are no other owners within a 460' radius of the proposed well location.

EOGR respectfully requests that the Utah Division of Oil, Gas and Mining grant administrative approval of this application for an exception location described herein at its earliest opportunity.

Utah Division of Oil, Gas and Mining Request for Exception Location Hoss 18-32 Well May 11, 2007 Page 2 of 2

Thank you for your consideration of our request. Should you have any questions regarding this matter, please feel free to give me a call at (303) 824-5436.

Sincerely,

EOG RESOURCES, INC.

Tessa Dean Land Associate

TD/In

CC:

EnCana Oil & Gas (USA) Inc. 370 17<sup>th</sup> Street. Suite 1700 Denver, CO 80202

Attn: Mr. Barrett Brannon

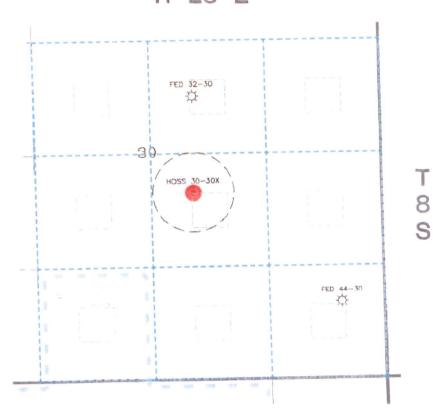
Sheila Singer – Denver Kaylene Gardner – Vernal

Accepted and agreed to this <u>// TH</u> day of \_\_\_\_\_\_\_, 2007

**ENCANA OIL & GAS (USA) INC.** 

Title ATTORNEY IN - FACT

### R 23 E



Oil or Gas Well Location Pattern pursuant to Utah Administrative Code Rule R 649-3-2

Legal window within which an oil and gas well could be drilled in compliance with R 649-3-2.



→ Locations at which oil or gos wells have been drilled

Location at which applicant requests permission to drill the proposed Hoss 30—30X Well: 2192' FSL, 2157' FEL (NWSE) of Sec. 30, T8S, R23E

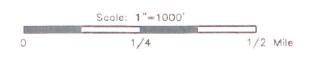


Exhibit "A"



Denver Division

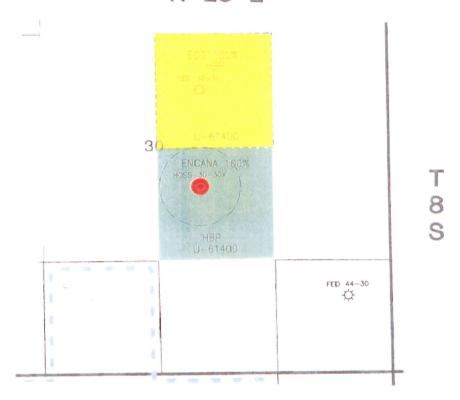
Application for Exception Well Location

HOSS 30-30X Well

UINTAH COUNTY, UTAH

(cale: | Distalfaceoption\_plets | Author | May 04, 20071 "= 1000" | May 04, 200711:58am

### R 23 E



### Working Interest



ENCANA 100%



EOG 100%

Location at which applicant requests permission to drill the proposed Hoss 30-30X Well: 2192 FSL, 2157 FEL (NWSE) of Sec. 30, T8S, R23E

### Exhibit "B"



Application for Exception Well Location

HOSS 30-30X Well

UINTAH COUNTY, UTAH

Scale:=1000'

May 04, 2007 11:47am

Scale: 1"=1000' 0 1/4 1/2 Mile



EOG Resources, Inc.

600 Seventeenth Street Suite 1000N Denver, CO 80202

Main: 303-572-9000 Fax: 303-824-5400

May 11, 2007

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

Attention: Ms. Diana Whitney

43.047.38905

RE:

**Revised 5/4/07** 

Request for Exception Location

Hoss 18-32 Well Uintah County, Utah

Ladies and Gentlemen:

EOG Resources, Inc. ("EOGR") applied with the Utah Division of Oil, Gas and Mining for a Drilling Permit for the captioned well. The well is scheduled to drill at the following location in the captioned area to a proposed subsurface depth of 9,710 feet to test the Mesa Verde Formation:

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EOGR respectfully requests that the Utah Division of Oil, Gas and Mining grant administrative approval of this application for an exception location described herein at its earliest opportunity.

RECEIVED MAY 2 5 2007

Utah Division of Oil, Gas and Mining Request for Exception Location Hoss 18-32 Well May 11, 2007 Page 2 of 2

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EOG RESOURCES, INC.

Tessa Dean Land Associate

TD/ln

CC:

EnCana Oil & Gas (USA) Inc.

370 17<sup>th</sup> Street, Suite 1700

Denver, CO 80202

Attn: Mr. Barrett Brannon

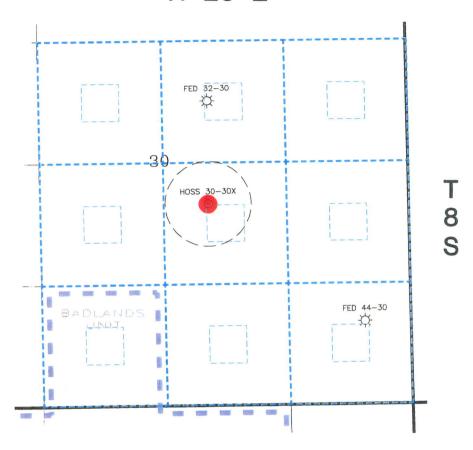
Sheila Singer – Denver Kaylene Gardner – Vernal

Accepted and agreed to this 16th day of 1207

**ENCANA OIL & GAS (USA) INC.** 

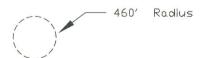
- Marie lu Fact

### R 23 E



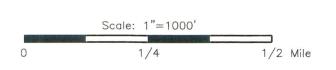
Oil or Gas Well Location Pattern pursuant to Utah Administrative Code Rule R 649-3-2

Legal window within which an oil and gas well could be drilled in compliance with R 649-3-2.



🕁 Locations at which oil or gas wells have been drilled

Location at which applicant requests permission to drill the proposed Hoss 30-30X Well: 2192' FSL, 2157' FEL (NWSE) of Sec. 30, T8S, R23E





Exception Well Location

HOSS 30-30X Well

Exhibit "A"

UINTAH COUNTY, UTAH

Scale: 1"=1000'

Author

May 04, 2007 11:58am

Denver Division

### R 23 E



### Working Interest



Location at which applicant requests permission to drill the proposed Hoss 30—30X Well: 2192' FSL, 2157' FEL (NWSE) of Sec. 30, T8S, R23E

### Exhibit "B"



Application for Exception Well Location

HOSS 30-30X Well

UINTAH COUNTY, UTAH

Scale:=1000'

May 04, 2007 11:47am Author

Scale: 1"=1000' 0 1/4 1/2 Mile

## DIVISION OF OIL, GAS AND MINING

### SPUDDING INFORMATION

Name of Con	npany:	EOG RES	OURC	ES INC	<u> </u>		
Well Name:_		HOSS 18-	32				
Api No:	43-047-389	005	Le	ase Type:	FEDE	RAL	
		08S Range_					
Drilling Con	tractor R	OCKY MOUNT	ΓAIN D	RLG	_RIG #	RATHOLE	
SPUDDE	D:						
	Date	01/08/08					
	Time	1:00 PM					
	How	DRY					
Drilling w	ill Commer	oce:					
Reported by		JERRY BA	ARNES	S			
Telephone #		(435) 828-	1720				
Date	01/08/08	Sign	ed	CHD			

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

### **ENTITY ACTION FORM**

Operator:

EOG Resources, Inc.

Operator Account Number: N 9550

Address:

600 17th St., Suite 1000N

city Denver

zip 80202 state CO

Phone Number: (303) 824-5526

Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
43-047-37272	Chapita Wells Unit 1	138-19	NESE	19	98	23E	Uintah
Action Code	Current Entity Number	New Entity Number	S	pud Da	te		ity Assignment ffective Date
Α	99999	16598		1/8/2008	3	1/	17/08

API Number	Well	Name	QQ	Sec	Twp	Rng	County
43-047-38496	Chapita Wells Unit 1:	272-15	NWSW	15	98	22E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
× B	99999	13650	-	1/8/200	8	1/	17/08

Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
43-047-38905	Hoss 18-32		SESW	32	88	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		1	ity Assignment ffective Date	
Α	99999	16599		1/8/2008	3	7	17/08

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

RECEIVED

JAN 1 0 2008

Signature Regulatory Assistant

Mary A. Maestas

(ame (Please Print)

1/9/2008

Title

Date

(5/2000)

Form 3160-5 (August 2007)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010 5. Lease Serial No. UTU56965

**SUNDRY NOTICES AND REPORTS ON WELLS** 

Do not use this form for proposals to drill or to re-enter an

abandoned we	ll. Use form 3160-3 (APD) for	such proposa	ils.		6. If Indian, Allottee of	r Tribe Name	
SUBMIT IN TRI	PLICATE - Other instructions	on reverse si	de.		7. If Unit or CA/Agree	ment, Name and/or No.	
Type of Well     Oil Well	her				8. Well Name and No. HOSS 18-32		
Name of Operator     EOG RESOURCES INC		Y A MAESTAS eogresources.com	——— m		9. API Well No. 43-047-38905		
3a. Address 600 17TH STREET SUITE 10 DENVER, CO 80202		Phone No. (include 303-824-5526	area code)		10. Field and Pool, or Exploratory NATURAL BUTTES/WASATCH/MV		
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description)				11. County or Parish, and State		
Sec 32 T8S R23E SESW 993FSL 1866FWL 40.07471 N Lat, 109.35368 W Lon					UINTAH COUNT	ΓY, UT	
12. CHECK APPI	ROPRIATE BOX(ES) TO IND	ICATE NATU	RE OF N	IOTICE, RI	EPORT, OR OTHER	R DATA	
TYPE OF SUBMISSION			TYPE OF	ACTION			
☐ Notice of Intent	☐ Acidize	□ Deepen		☐ Product	ion (Start/Resume)	■ Water Shut-Off	
_	☐ Alter Casing	☐ Fracture Trea	at	☐ Reclama	ation	☐ Well Integrity	
Subsequent Report     Subsequent Re	□ Casing Repair	☐ New Constru	ection	□ Recomp	lete	Other	
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Ab	andon	□ Tempor	arily Abandon	Well Spud	
	☐ Convert to Injection	☐ Plug Back	ug Back		Disposal		
determined that the site is ready for fi	•	e de sedencia de como	JAN	EIVED 1 6 2008 GAS & MINI			
14. I hereby certify that the foregoing is	Electronic Submission #57938 For EOG RESOU	JRCES INĆ, ser	nt to the V	ernal	•		
Name (Printed/Typed) MARY A N	MAESTAS	Title	REGULA	ATORY ASS	SISTANT		
Signature MAELectrorid'S	submission and	Date	01/09/20	008			
	THIS SPACE FOR FE	DERAL OR S	STATE (	OFFICE US	SE		
Approved By		Title				Date	
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to condu	itable title to those rights in the subject	rrant or t lease Office					
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s				willfully to ma	ke to any department or a	gency of the United	

### **UNITED STATES** DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

OMB NO. 1004-0135 Expires: July 31, 2010

FORM APPROVED

	5. Lease Ser
INDRY NOTICES AND REPORTS ON WELLS	UTU569
t use this form for proposals to drill or to re-enter an	

Do not use the	NOTICES AND REPO is form for proposals to II. Use form 3160-3 (AP	drill or to re-enter an	UTU56965  6. If Indian, Allot	
SUBMIT IN TRI	PLICATE - Other instruc	ctions on reverse side.	7. If Unit or CA/A	agreement, Name and/or No.
Type of Well     Oil Well	ner		8. Well Name and HOSS 18-32	No.
Name of Operator     EOG RESOURCES INC		MARY A MAESTAS stas@eogresources.com	9. API Well No. 43-047-3890	05
3a. Address 600 17TH STREET SUITE 10 DENVER, CO 80202	00N	3b. Phone No. (include area code) Ph: 303-824-5526	10. Field and Poo NATURAL E	l, or Exploratory BUTTES/WASATCH/MV
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description	)	11. County or Par	ish, and State
Sec 32 T8S R23E SESW 993 40.07471 N Lat, 109.35368 W			UINTAH CO	UNTY, UT
12. CHECK APPI	ROPRIATE BOX(ES) TO	) INDICATE NATURE OF N	OTICE, REPORT, OR OT	HER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION	
Notice of Intent     ■	☐ Acidize	□ Deepen	☐ Production (Start/Resume	) ☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture Treat	□ Reclamation	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	■ New Construction	☐ Recomplete	□ Other
☐ Final Abandonment Notice	☐ Change Plans	Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	□ Plug Back	■ Water Disposal	
Attach the Bond under which the wor following completion of the involved	ally or recomplete horizontally, k will be performed or provide operations. If the operation resonandonment Notices shall be file	nt details, including estimated starting give subsurface locations and measure the Bond No. on file with BLM/BIA. sults in a multiple completion or recon ed only after all requirements, including	ed and true vertical depths of all po Required subsequent reports shal appletion in a new interval, a Form	ertinent markers and zones.  I be filed within 30 days 3160-4 shall be filed once
EOG Resources, Inc. requests to any of the following location		al of produced water from the r		
Natural Buttes Unit 21-20B     Chapita Wells Unit 550-30N     Chapita Wells Unit 2-29 SW     Red Wash Evaporation pon     RN Industries	SWD /D	RECEI JAN 1 6 DIV. OF OIL, GA	2008 Oil, Gas FOR RE(	oted by the Division of and Mining CORD ONLY

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #57930 verified by the BLM Well Information System For EOG RESOURCES INC, sent to the Vernal **REGULATORY ASSISTANT** Name (Printed/Typed) MARY A MAESTAS Title 01/09/2008 Signature Date THIS SPACE FOR FEDERAL OR STATE OFFICE USE Date Title Approved By Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

Do not use this	NOTICES AND REPO s form for proposals to l. Use form 3160-3 (AP	drill or to re-e	enter an	٠.	6. If Indian, Allottee or	
SUBMIT IN TRII	PLICATE - Other instru	ctions on reve	rse side.		7. If Unit or CA/Agree	ment, Name and/or No.
Type of Well     ☐ Oil Well	er				8. Well Name and No. HOSS 18-32	
Name of Operator EOG RESOURCES, INC		MARY A. MA estas@eogresou	ESTAS rces.com		9. API Well No. 43-047-38905	
3a. Address 600 17TH STREET SUITE 10 DENVER, CO 80202	00 N.	3b. Phone No. Ph: 303-824	(include area code 1-5526	)		TES/WASATCH/MV
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description	n)			11. County or Parish, a	and State
Sec 32 T8S R23E SESW 993 40.07471 N Lat, 109.35368 W	FSL 1866FWL / Lon				UINTAH COUN	TY, UT
12. CHECK APPI	ROPRIATE BOX(ES) T	O INDICATE	NATURE OF	NOTICE, R	EPORT, OR OTHEI	R DATA
TYPE OF SUBMISSION			TYPE C	F ACTION		
	☐ Acidize	☐ Deep	en	☐ Produc	tion (Start/Resume)	■ Water Shut-Off
☐ Notice of Intent	☐ Alter Casing	☐ Frac	ture Treat	□ Reclam	ation	■ Well Integrity
☐ Subsequent Report	☐ Casing Repair	□ New	Construction	☐ Recom	plete	
Final Abandonment Notice	☐ Change Plans	🗖 Plug	and Abandon	Tempo	rarily Abandon	Production Start-up
_	☐ Convert to Injection	n 🗖 Plug	Back	□ Water	Disposal	
13. Describe Proposed or Completed Op If the proposal is to deepen direction Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for the referenced well was turner report for drilling and complet	ally or recomplete horizontally ork will be performed or provided operations. If the operation bandonment Notices shall be final inspection.)	y, give subsurface le the Bond No. or results in a multiplied only after all its. Please see the	ifile with BLM/Bl e completion or re- requirements, inclu-	A. Required succession in a adding reclamation	new interval, a Form 316 on, have been completed,	filed within 30 days
					RECEI'	VED
	·				APR 2 9	2008
					DIV. OF OIL, GA	S & MINING
14. I hereby certify that the foregoing	Flactronic Submission	n #59914 verifie G RESOURCES,	by the BLM WINC, sent to th	ell Informatio e Vernal	n System	
Name(Printed/Typed) MARY A	A. MAESTAS		Title REGU	JLATORY A	SSISTANT	
Signature Markegtron	Jubmiss of Cula		Date 04/25	/2008		· · · · · · · · · · · · · · · · · · ·
	THIS SPACE	FOR FEDERA	AL OR STAT	E OFFICE	USE	
_Approved By			Title			Date
Conditions of approval, if any, are attact certify that the applicant holds legal or e which would entitle the applicant to con-	quitable title to those rights in duct operations thereon.	the subject lease	Office			Cal. W. L.
	2 II S.C. Section 1212 make	it a crime for any r	erson knowingly a	and willfully to	make to any department o	or agency of the United

### WELL CHRONOLOGY REPORT

Report Generated On: 04-25-2008

Well Name	HOSS 018-32	Well Type	DEVG	Division	DENVER
Field	PONDEROSA	API#	43-047-38905	Well Class	1SA
County, State	UINTAH, UT	Spud Date	02-06-2008	Class Date	04-22-2008
Tax Credit	N	TVD/MD	9,710/ 9,710	Property #	059914
Water Depth	0	Last CSG	0.0	Shoe TVD / MD	0/0
KB / GL Elev	4,920/ 4,907				
Location	Section 32, T8S, R23E,	SESW, 993 FSL & 1866	FWL		

DRILL & COMPLETE

Operator	EOG RESOUR	CES, INC W	10	0.0	NRI %	67.0	
AFE No	304277	A	FE Total	2,186,300	DHC/	CWC 1	010,500/ 1,175,800
Rig Contr	TRUE	Rig Name	TRUE #26	Start Date	12-21-2007	Release Date	02-15-2008
01-03-2007	Reported By	SHAR	RON CAUDILL				
DailyCosts: Da	rilling \$0		Completion	\$0	Dai	ily Total \$	)
Cum Costs: D	rilling \$0		Completion	\$0	We	ell Total \$	)
MD	0 <b>TVD</b>	0 <b>P</b>	rogress 0	Days	0 <b>MW</b>	0.0	'isc 0.0
Formation:		<b>PBTD</b> : 0.0		Perf:	,	PKR Depth	0.0

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

06:00

Start End Hrs Activity Description

06:00 24.0 LOCATION DATA (located moved as/Sundry 4/27/07)

993' FSL & 1866' FWL (SE/SW) SECTION 32, T8S, R23E UINTAH COUNTY, UTAH

LAT 40.074714, LONG 109.343683 (NAD 83) LAT 40.074750, LONG 109.353003 (NAD 27)

Description

RIG: TRUE #26

OBJECTIVE: 9710' TD, MESAVERDE

DW/GAS

PONDEROSA PROSPECT

DD&A: CHAPITA DEEP WELLS

PONDEROSA FIELD

LEASE: UTU-56965

ELEVATION: 4905.2' NAT GL, 4906.8' PREP GL (DUE TO ROUNDING THE PREP GL WILL BE 4907'), 4920' KB

(13')

EOG WI 100%, NRI 67%

12-21-2007 Reported By

TERRY CSERE

DailyCosts: Drilling	\$38,000	Completion	\$0		Daily		\$38,000	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well 7		\$38,000	0.0
<b>MD</b> 0		Progress 0	Days	0	MW	0.0	Visc	0.0
formation :	<b>PBTD</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
ectivity at Report Tin	ne: BUILD LOCATION							
Start End	Hrs Activity Descri	_						
06:00 06:00	24.0 LOCATION STA	RTED.						
2-26-2007 Re	ported By TER	RRY CSERE						
DailyCosts: Drilling	\$38,000	Completion	\$0		Daily	Total	\$38,000	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well '	Total	\$38,000	
<b>MD</b> 0	<b>TVD</b> 0	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0.0		Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Descri	ption						
06:00 06:00	24.0 LOCATION 25%	COMPLETE.						
12-27-2007 Re	eported By TEF	RRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily	Total	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well '	Total	\$38,000	
•		Progress 0	Days	0	$\mathbf{MW}$	0.0	Visc	0.0
MTD 0	TVD 0	L1051622	Days					
		_	Perf :			PKR De	<b>pth:</b> 0.0	
Formation :	<b>PBTD</b> : 0.0	_				PKR De	<b>pth:</b> 0.0	
Formation : Activity at Report Ti	PBTD: 0.0	_ )				PKR De <sub>l</sub>	<b>pth:</b> 0.0	
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Formation: Activity at Report Till Start End 06:00 06:00  12–28–2007 Re DailyCosts: Drilling Cum Costs: Drilling	PBTD: 0.0 me: BUILD LOCATION  Hrs Activity Description 24.0 LOCATION 35%  eported By TEM  \$0  \$38,000	iption c COMPLETE. RRY CSERE Completion Completion Progress 0	<b>Perf:</b> \$0 \$0		Well	Total Total	\$0 \$38,000 <b>Visc</b>	0.0
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DailyCosts: Drilling Cum Costs: Drilling	\$0 \$38,000	Completion  Completion	\$0 \$0		Daily To Well To		\$0 \$38,000	
MD 0		rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0.0	- Control	Perf:			PKR De		
	me: BUILD LOCATION					<b>.</b>		
Start End	Hrs Activity Descript	ion						
06:00 06:00	24.0 PUSHING ON PIT.							
01-03-2008 R	eported By TERR	Y CSERE				·		
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
<b>Cum Costs: Drilling</b>	\$38,000	Completion	\$0		Well To	tal	\$38,000	
<b>MD</b> 0	<b>TVD</b> 0 <b>P</b> 1	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0.0		Perf:		1	PKR Dej	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Descript	ion						
06:00 06:00	24.0 PUSHING ON PIT.							***********
01-04-2008 R	eported By TERR	Y CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
Cum Costs: Drilling	\$38,000	Completion	\$0		Well To	tal	\$38,000	
<b>MD</b> 0	<b>TVD</b> 0 <b>P</b> :	rogress 0	Days	0	$\mathbf{MW}$	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0.0		Perf:		1	PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Descript	ion						
06:00 06:00	24.0 PUSHING ON PIT.							
01-07-2008 R	eported By TERR	Y CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily To	otal	\$0	
<b>Cum Costs: Drilling</b>	\$38,000	Completion	\$0		Well To	tal	\$38,000	
<b>MD</b> 0	<b>TVD</b> 0 <b>P</b> :	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation:	<b>PBTD</b> : 0.0		Perf:		!	PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Descript	ion						
06:00 06:00	24.0 PUSHING ON PIT.							
01-08-2008 R	eported By TERR	Y CSERE						
	\$0	Completion	\$0		Daily To	otal	\$0	
DailyCosts: Drilling	***	Completion	\$0		Well To	tal	\$38,000	
	\$38,000			0				
Cum Costs: Drilling		rogress 0	Days	0	$\mathbf{M}\mathbf{W}$	0.0	Visc	0.0
Cum Costs: Drilling MD 0		rogress 0	Days Perf :	U		0.0 PKR De <sub>l</sub>		0.0
Formation :	<b>TVD</b> 0 <b>P</b>	rogress 0		0				0.0
Cum Costs: Drilling MD 0  Formation:	<b>TVD</b> 0 <b>P PBTD</b> : 0.0	, <b>g</b>		Ū				0.0
Cum Costs: Drilling MD 0  Formation: Activity at Report To	TVD 0 P PBTD: 0.0 ime: BUILD LOCATION	ion		O				0.0

Property: 059914

Well Name: HOSS 018-32

DailyCosts	s: Drilling	\$0		Com	pletion	\$0		Daily	Total	\$0	
Cum Cost	s: Drilling	\$38,00	00	Com	pletion	\$0		Well 7	Total	\$38,000	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation	n :		<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0	
Activity at	t Report Tir	ne: BUILD L	OCATION/	WO AIR RIG							
Start	End		tivity Desc								
06:00	06:00	സ	NDUCTOR.	ROCKY MOUN CEMENT TO MICHAEL LEE	SURFACE	WITH READ	Y MIX. JE	RRY BARNE	/08 @ 1:00 PI ES NOTIFIED	M. SET 60' OF CAROL DANI	14" IELS
01-10-20	08 Re	ported By	TI	ERRY CSERE							
DailyCost	ts: Drilling	\$0		Con	pletion	\$0		Daily	Total	\$0	
-	ts: Drilling	\$38,0	00	Con	pletion	\$0		Well	Total	\$38,000	
MD	60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 0	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
	at Report Ti	me: BUILD I	LOCATION								
Start	End		tivity Desc	cription							
06:00	06:00	24.0 LC	CATION CO	OMPLETE.							
01-22-20	008 R	eported By	JI	ERRY BARNES							
DailyCos	ts: Drilling	\$224	,578	Cor	npletion	\$0		Daily	y Total	\$224,578	
•	sts: Drilling	\$262	,578	Cor	npletion	\$0		Well	l Total	\$262,578	
MD	2,575	TVD	2,575	Progress	0	Days	0	$\mathbf{MW}$	0.0	Visc	0.0
Formatio			PBTD:	0.0		Perf:			PKR De	<b>pth</b> : 0.0	
	at Report T	ime: WORT									
Start	End	Hrs A	ctivity Des								
06:00	06:00	n	AN 60 JTS (1 OLLAR, 8 C	ETRO AIR RIG (2562.95') OF 9- EENTRALIZERS	-5/8", 36.0 S SPACED	‡/FT, J–55, ST MIDDLE OF	&C CASIN SHOE JOIN	G WITH TOP NT AND EVE	P-CO GUIDE	SHUE AND F	LUAI

2575' KB. RAN 200' OF 1" PIPE DOWN BACK SIDE. RDMO AIR RIG.

MIRU PRO PETRO CEMENTING. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1000 PSIG. PUMPED 190 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT. MIXED & PUMPED 240 SX (163 BBLS) OF PREMIUM LEAD CEMENT W/16% GEL, 10 #/ SX GILSONITE, 3 #/ SX GR-3, 3% SALT & ½ #/ SX FLOCELE. MIXED LEAD CEMENT @ 11.0 PPG W/YIELD OF 3.82 CF/SX.

TAILED IN W/200 SX (41 BBLS) OF PREMIUM CEMENT W/2% CACL2 & ¼ #/ SX FLOCELE. MIXED TAIL CEMENT TO 15.8 W/YIELD OF 1.15 CF/SX. DISPLACED CEMENT W/194.7 BBLS FRESH WATER. BUMPED PLUG W/1000# @ 5:56 A.M., 1/15/2008. CHECK FLOAT, FLOAT HELD. SHUT IN CASING VALVE. BROKE CIRCULATION 1 BBL INTO DISPLACEMENT. LOST RETURNS 162 BBLS INTO DISPLACEMENT. NO CEMENT TO SURFACE.

TOP JOB # 1: PUMP DOWN 200' OF 1" PIPE. MIXED & PUMPED 125 SX (26 BLS) OF PREMIUM CEMENT W/4% CACL2 & 1/4 #/ SX FLOCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED W/CEMENT BUT FELL BACK WHEN PUMPING STOPPED. WOC 2 HRS 10 MINUTES..

TOP JOB # 2: MIXED & PUMPED 100 SX (20 BBLS) OF PREMIUM CEMENT W/4% CACL2 & ¼ #/ SX FOLCELE. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. HOLE FILLED & STOOD FULL. RDMO PRO PETRO CEMENTERS.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

MIRU GLENNS WIRELINE SERVICE. RAN IN HOLE W/STRAIGHT HOLE SURVEY. TAGGED CEMENT @ 2416' GL. PICKED UP TO 2396' & TOOK SURVEY. 2 DEGREE.

KYLAN COOK NOTIFIED JAMIE SPARGER W/BLM OF THE SURFACE CASING & CEMENT JOB ON  $1/14/2008 \ @ 10:20 \ AM.$ 

02-05-20	008 R	eported B	By T	OM HARKINS							
DailyCost	ts: Drilling	\$3	30,660	Com	pletion	\$0		Daily	y Total	\$30,660	
Cum Cos	ts: Drilling	\$2	293,238	Com	pletion	\$0		Well	Total	\$293,238	
MD	2,575	TVD	2,575	Progress	0	Days	0	$\mathbf{MW}$	0.0	Visc	0.0
Formatio	n:		PBTD:	0.0		Perf:			PKR Dep	oth: 0.0	
Activity a	ıt Report Ti	me: RUR	Γ								
Start	End	Hrs	Activity Des	cription							
06:00	12:00	6.0	R/D WITH TR	UCKS MOVE O	FF OF CV	VU 1077-25					
12:00	19:30	7.5	,MOVE IN RIG	G UP WTH TRUC	CKS ON E	IOSS 18-32					
			100% MOVED	70% RIG UP							
19:30	06:00			ILL HAVE TRUC				WILL HAVE	TWO WELD	ERS TO MAKI	E REPAII
				E ADAPTER , R							
				. NO ACCIDENT .K WAYS , MUD			Y MEETING	, RIG DOW	'N WITH TRU	JCKS , SLICK	AND
				ROM CWU 1077-		•	3 MILES				
2-06-20	008 Re	eported B		OM HARKINS							
	ts: Drilling	-	08,259		pletion	\$0		Della	. Ta4al	¢100.050	
_	ts: Drilling		01,497		pletion	\$0 \$0		_	/ Total Total	\$108,259 \$401,497	
MD	2,575	TVD	2,575		0		0				0.0
ormatio	·	IVD	PBTD : (	Progress	U	Days Perf :	U	MW	0.0	Visc	0.0
	u . it Report Ti	mae DII D		J.U		ren:			PKR Dep	<b>etn:</b> 0.0	
start	End		Activity Des	-							
06:00	12:00			UCKS DERRIC	K UP @ 09	930					
12:00 17:00	17:00		R/U ROTARY		01.5			****			
17.00	19:00	2.0	NU/ND BOP/L	DIVERTER. RIG	ON DAY	WORK 1900 I	1KS, 2-05-	2008.			
19:00	00:00	5.0	TEST BOPS/F	IVERTER TEST	DIDE DA	מואו זם את	DAMS VII	T TINE AND	OVALVES C	HOVE LINE A	ND
•••••	00.00			OOR VALVES U							ND
			5000 PSI FOR	10 MIN TEST A	NNULAR	250 LOW FO	OR 5 MIN, 2	2500 HIGH F	OR 10 MIN		
			TEST CSG TO	1500 PSI FOR 3	0 MIN						
00:00	00:30	0.5	INSTALL WE	AR BUSHING							
00:30	01:30	1.0	R/U LD MACI	HINE HOLD SA	FETY ME	EETING					
01:30	06:00	4.5	P/U BHA AND	DRILL PIPE TO	REACH	CEMENT OR	FLOAT CO	LLAR			
				, NO ACCIDEN							
			SAFETY MEE	TING , RIG UP	WITH TRU	JCKS , RAISI	E MAST , TI	EST BOPS			
				ND (200 DOW			,				

FUEL ON HAND 6208 , BOILER HRS 18 FUNCTION TEST AND SET COM X 2 WITNESS 1

Well Name: HOSS 018–32 Field: PONDEROSA Property: 059914

T	OGGING	UNIT	NOT	OPER	ATING

				T NOT OPERA					-11		
2-07-200	8 Re	ported By	Bì	ENNY BLACK	WELL / TO	M HARKINS	3				
ailyCosts	: Drilling	\$34,9	35	Cor	npletion	\$0		Daily '		\$34,985	
cum Costs	: Drilling	\$436,	182	Cor	npletion	\$0		Well T	Total	\$436,482	
MD .	4,178	TVD	4,178	Progress	1,603	Days	1	MW	8.8	Visc	0.0
ormation	:		<b>PBTD</b> : 0	.0		Perf:			PKR Dep	oth: 0.0	
ctivity at	Report Ti	me: DRILLIN	IG @ 4178'								
tart	End	Hrs Ac	tivity Desc	ription							
06:00	07:00	1.0 P/L	DRILL PIF	E TAG CEME	NT @ 2460	,					
07:00	07:30			K AIR OUT P							
07:30	09:00	1.5 KE	LLY UP, BR	EAK CIRC. D	RLG CEME	ENT F/2460'	2575'.				
09:00	09:30	0.5 SE	RVICE RIG	– DAILY RIG	SERVICE.						
09:30	10:00			AND 20' OF O							
10:00	10:30			W/ 8.4 PPG F							
10:30	11:00	64	FPH.			5 – 50 RPM @	TABLE, 1	100 PSI @120	) SPM = 420	GPM = 67 RPM	S @ MT
11:00	11:30			510' – 0.75 DE					0 CD) 1 10C	CDM (7 DD)	4C @
11:30	00:00		RILL F/ 2652 ΓR, 83.44 FF		20K WOB, 1	35 – 50 RPM	@ TABLE, 1	100 PSI @12	0 SPM = 420	) GPM = 67 RPM	15 @
00:0	00:30			520' – 0.50 DE					0.070.4 400	CDM (7 DD)	4C @
00:30	06:00		RILL F/ 3695 FR, 83.44 FI		20K WOB,	35 – 50 RPM	@ TABLE, 1	100 PSI @ 12	U SPMI = 420	) GPM = 67 RPN	15 G
				S NO ACCIDEN ETINGS: P/U D		u pdessiiri	FLINES(1)	WIRE LINE	SURVEY (1	).	
				OM(3), WITN			221 (22)				
			OP DRILLS:		ESSED (S)	•					
				: 0 GALS #1 D	IESEL.						
				ND: 4937 GAL		1271 GALS.					
			OILER 24 H		20, 0022.						
				PPG, 31 VIS, I	_CM 0%.						
				, PEAK GAS 8		830'.					
				: GREEN RIV							
06:00		18.0 S	PUD 7 7/8" ]	HOLE @ 10:30	) HRS, 2/6/2	2008.					we will be a second of the sec
02-08-20	008 I	Reported By		BENNY BLAC			. 19 2000				
	ts: Drilling	-		C	ompletion	\$0		Dail	y Total	\$46,129	
	ts: Drilling	•	2,611		ompletion			Well	l Total	\$482,611	
MD	4,950	TVD	4,950	Progress	769	Days	2	MW	10.0	Visc	35.0
Formatio	n:		PBTD:	0.0		Perf:			PKR D	<b>epth:</b> 0.0	
		<b>Γime:</b> DRILL	ING @ 495	0'							
Start	End		ctivity De								
06:00	10:30	4.5 D		78' – 4488', 15	–20K WOB	, 35 – 50 RPM	1 @ TABLE,	1450 PSI @1	20  SPM = 47	20 GPM = 67 RF	MS @
10:30	11:00			G – DAILY RI	G SERVICE	Ξ.					
10.30	11.00	0.5				Page 6					

11:00 14:30 3.5 DRILL F/ 4488' – 4706', 15–20K WOB, 35 – 50 RPM @ TABLE, 1450 PS MTR, 62.28 FPH.	SI @120 SPM = 420 GPM = 67 RPMS @
14:30 15:00 0.5 SURVEY @ 4625' – 2 DEG.	
15:00 20:30 5.5 DRILL F/ 4706' – 4917', 15–20K WOB, 35 – 50 RPM @ TABLE, 1450 PS MTR, 38.36 FPH.	SI @ 120 SPM = 420 GPM = 67 RPMS @
20:30 23:30 3.0 PUMP PILL & POH W/ BIT #1 – LOW ROP, L/D 2 REAMERS, MOTOR,	& BIT.
23:30 00:00 0.5 P/U BIT AND MUD MOTOR.	
00:00 01:30 1.5 BUILD VOLUME IN MUD TANKS BEFORE RUNNING IN THE HOLE -	- ESTIMATED LOSSES @ 425 BBLS.
01:30 03:00 1.5 RUN IN HOLE TO 3976' – LOST RETURNS.	
03:00 04:30 1.5 CIRC & BUILD VOLUME AND RUN LCM SWEEPS – FULL RETURNS	S @ 04:30 HRS.
04:30 05:00 0.5 RUN IN HOLE W/ BIT #2 TO 4873' – NO PROBLEMS. WASH 47' TO BO	ОТТОМ.
05:00 06:00 1.0 DRILL F/ 4917' – 4950', 15–20K WOB, 35 – 50 RPM @ TABLE, 1521 PS. MTR, 33 FPH.	SI @120 SPM = 420 GPM = 67 RPMS @
FULL CREWS NO ACCIDENTS.	

SAFETY MEETINGS: ICY CONDITIONS (2), TRIPPING (1).

OPERATED COM(5), WITNESSED (2).

DOF DRILLS: NONE.

REC'D: 0 GALS #1 DIESEL.

EL ON HAND: 3515 GALS, USED: 1422 GALS.

BOILER 24 HRS.

MUD WT 9.1 PPG, 32 VIS, LCM (RUNNING SWEEPS) 0%.

BC CAS 150 U, PEAK GAS 8190 U AT BOTTOMS UP AFTER TRIP.

"REEN RIVER @ 2063'.

UNIT - DAY 2.

..... 500 BBLS.

	νo	Reported	By	BENNY BLACK	WELL						
atyC	ets: Dyfi	eg :	\$40.364	Con	pletion	\$493		Dail	y Total	\$47,357	
Cum Co	sis: Drill	: · · · · · · · · · · · · · · · · · · ·	\$520	Con	pletion	\$493		Well	Total	\$529,969	
MD	6,31		الكائب	ress	1,350	Days	3	$\mathbf{M}\mathbf{W}$	9.3	Visc	31.0
₩.	э;		BTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
	or	t Time. D	√G @ 630	0'							
Start		Hrs	Activity Des	scription							
06:00	1	6.0	DRILL F 495 78.83 FP.a.	50' - 5423', 15-20	K WOB, 3	35 – 50 RPM @	TABLE,	.521 PSI @12	20 SPM = 420	GPM = 67 RP	MS @ MTF
12:00	12:3	0 0.5	SERVICE RIC	G – DAILY RIG S	ERVICE.						
12:30	06:0	0 17.5	5 DRILL F/ 542 MTR, 50.11F	23' – 6300', 15–20 PH.	K WOB, 3	35 – 50 RPM @	TABLE, 1	.660 PSI @ 1	20 SPM = 420	) GPM = 67 RI	PMS @
			FULL CREW	S NO ACCIDEN	ΓS.						
			SAFETY ME	ETINGS:CONNE	CTIONS &	& TONGS (3).					
			PERATED (	COM (3), WITNE	SSED (1) .						
			OP DRILLS	: NONE.							
			FUEL REC'D	: 0 GALS #1 DIE	SEL.						
			FUEL ON HA	ND: 1945 GALS	USED: 15	570 GALS.					
			BOILER 24 H	IRS.							
			MUD WT 9.7	PPG, 35 VIS, LC	M (RUNN	ING SWEEPS	0%.				
			BG GAS 38 U	, PEAK GAS 379	8 U 5824'.						

FORMATION: CHAPITA WELLS @ 5643'. UNMANNED LOGGING UNIT – DAY 3.

02-10-200	8 Re	eported By	В	ENNY BLACK	WELL						
DailyCosts	: Drilling	\$73,96	3	Con	apletion	\$0		Dail	y Total	\$73,963	
Cum Costs	: Drilling	\$603,4	39	Con	pletion	\$493		Well	Total	\$603,932	
MD	7,030	TVD	7,030	Progress	730	Days	4	$\mathbf{M}\mathbf{W}$	9.7	Visc	34.0
Formation	:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at	Report Ti	me: DRILLIN	G @ 7030'								
Start	End	Hrs Act	ivity Desc	ription							
06:00	12:00	6.0 DRI	-	' – 6598', 15 <b>–</b> 20	OK WOB,	35 – 50 RPM	@ TABLE,	1660 PSI @ 1	120  SPM = 420	0 GPM = 67 RP	MS @
		FUL	L CREWS	NO ACCIDEN	TS.						
		SAF	ETY MEE	TINGS:CONNE	ECTIONS &	k TONGS (3)					
		OPE	ERATED CO	OM (3), WITNE	SSED(1)						
		BOI	P DRILLS:	NONE.							
		FUE	EL REC'D:	0 GALS #1 DIE	ESEL.						
		FUE	EL ON HAI	ND: 1945 GALS	, USED: 1	570 GALS.					
		BOI	LER 24 HF	RS.							
		MU	D WT 9.7 F	PPG, 35 VIS, LC	M (RUNN	ING SWEEP	S) 0%.				
		BG	GAS 38 U,	PEAK GAS 379	98 U 5824'						
		FOF	RMATION:	CHAPITA WEI	LLS @ 564	3'.					
		UN	MANNED	LOGGING UNI	T – DAY 3	ş.					
12:00	12:30			– DAILY RIG S							
12:30	16:00		ILL F/ 6598 FPH.	3' – 6710, 15–20	K WOB, 3	5 – 50 RPM (	@ TABLE, 1	.660 PSI @ 1	20 SPM = 420	) GPM = 67 RP!	MS @ MT
16:00	16:30	0.5 CIR	C. FOR TR	IP OUT OF HO	LE – LOV	ROP.					
16:30	17:00	0.5 DR	OP SURVE	Y – 2.75 DEG.							
17:00	19:30			2 – LOW ROP.			S. L/D BIT &	MOTOR.			
19:30	22:30			EW/BIT#3 – L		BLS MUD.					
22:30	00:00			M 60' TO BOT				1 ( ( 0 <b>D</b> 07 0	100 000 1 10	0 CD1 (	
00:00	06:00		ILL F/ 6710 R, 53.33 FF	)' – 7030', 15–2 PH.	0K WOB,	35 – 50 RPM	@ TABLE,	1660 PSI @	120 SPM = 42	0 GPM = 67 RF	'MS @
				NO ACCIDEN							
				TINGS:PPE (3)							
				OM (5), WITNE	ESSED (2)	•					
			P DRILLS:								
				4400 GALS #1							
				ND: 5011 GALS	S, USED: 1	334 GALS.					
			ILER 24 H				20.00				
				PPG, 33 VIS, LO							
				, PEAK GAS 28			•				
				: NORHT HORI							
				LOGGING UN		4. ————————			11 pp - proper	and the second s	
02-11-20	08 R	Reported By	1	BENNY BLACE	KWELL						
DailyCost	s: Drilling	\$36,0	75	Cor	mpletion	\$0		Dai	ly Total	\$36,075	

<b>Cum Costs: Drilling</b>		\$639,514		Completion \$49		\$493	Well Tota			\$640,007		
MD	8,350	TVD	8,350	Progress	1,320	Days	5	MW	9.7	Visc	36.0	
Formation	1:		<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0		
Activity at	t Report Tir	ne: DRI	LLING @ 8,350'						-			
Start	End	Hrs	Activity Descr	ription								
06:00	10:30	4.5	DRILL F/ 7030' MTR, 57.33 FPI	<b>-</b> 7288', 15 <b>-</b> 2	0 <b>K WOB</b> , 3	35 – 50 RPM	@ TABLE, I	1660 PSI @	120 SPM = 420	GPM = 67 R	PMS @	
10:30	11:00	0.5	SERVICE RIG	- DAILY RIG	SERVICE.							
11:00	06:00	19.0	DRILL F/ 7288' MTR, 55.89 FPI		0 <b>K WOB</b> , 3	35 – 50 RPM	@ TABLE, 1	1660 PSI @	120 SPM = 420	GPM = 67 R	PMS @	
			FULL CREWS	NO ACCIDEN	TS.							
			SAFETY MEET	INGS FORKL	JFT (3).							
			OPERATED CO	M (3), WITNE	ESSED(1).							
			BOP DRILLS: I	EVE - 80 SEC:	S, MORN -	80 SECS.						
			FUEL REC'D: (	GALS#1 DIE	ESEL.							
			FUEL ON HAN	D: 3141 GALS	S, USED: 18	370 GALS.						
			BOILER 24 HR	S.								
			MUD WT 9.8 P	PG, 36 VIS, LC	CM 0%.							
			BG GAS 70 U,	PEAK GAS 22	38 U @ BC	TTOMS UP.						
			FORMATION:	PRICE RIVER	MIDDLE	@ 8250'.						
			UNMANNED L	OGGING UN	IT – DAY 5							
02-12-20	08 Re	ported ?	By Bi	ENNY BLACK	WELL							
DailyCost	s: Drilling	\$	39,844	Cor	npletion	\$0		Dail	ly Total	\$39,844		
Cum Cost	s: Drilling	\$	679,359	Cor	npletion	\$493		Wel	l Total	\$679,852		
MD	9,138	TVD	9,138	Progress	788	Days	6	MW	9.8	Visc	34.0	
Formation	1:		<b>PBTD</b> : 0.	0		Perf:			PKR Dep	oth: 0.0		
Activity at	t Report Tir	ne: CIR	CULATE FOR B	T TRIP								
Start	End	Hrs	Activity Descri	ription								
06:00	10:30	4.5	DRILL F/ 8350' MTR, 52 FPH.	<b>–</b> 8584', 15 <b>–</b> 2	0 <b>K WOB</b> , 3	35 – 50 RPM	@ TABLE, I	1800 PSI @	120 SPM = 420	GPM = 67 R	PMS @	
10:30	11:00	0.5	SERVICE RIG	- DAILY RIG	SERVICE.							
11:00	04:30	17.5	DRILL F/ 8584' MTR, 31.65 FPI		0K WOB, 3	35 – 50 RPM	@ TABLE, 1	1950 PSI @	120 SPM = 420	GPM = 67 R	PMS @	
04:30	06:00	1.5	CIRC. FOR BIT	TRIP – LOW	ROP. PREF	PARE PILL F	OR TRIP.					
			FULL CREWS	NO ACCIDEN	TS.							
			SAFETY MEET	INGS: BOP D	RILL (3).							
			OPERATED CO	OM (3), WITNE	ESSED(1).							
			BOP DRILLS: I	DAYS - 70 SE	CS.							
			FUEL REC'D:	1400 GALS #1	DIESEL.							
			FUEL ON HAN	D: 5834 GALS	5, USED: 17	707 GALS.						
			BOILER 24 HR	S.								
			MUD WT 10 PF	PG, 36 VIS, LC	M 0%.							
			BG GAS 70 U,	PEAK GAS 22	38 U @ 788	32'.						
			FORMATION:	PRICE RIVER	LOWER @	9137'.						
	Calif May paggs, agains again saggs and a sagain sag		UNMANNED I	OGGING UN	IT – DAY 6	<b>.</b> 						

02-13-200	8 Rej	ported By	y BE	NNY BLACK	WELL						
DailyCosts	: Drilling	\$35	5,637	Con	pletion	\$0		Dail	y Total	\$35,637	
Cum Costs		\$7	14,996	Con	pletion	\$493		Well	l Total	\$715,489	
MD	9,535	TVD	9,535	Progress	397	Days	7	MW	10.1	Visc	35.0
Formation	:		<b>PBTD</b> : 0.0	ŭ		Perf:			PKR Dep	oth: 0.0	
		ne: DRILI	LING @ 9535'								
Start	End		Activity Descr	iption							
06:00	10:00	4.0	DROP SURVEY WEIGHT.	-	BIT #3 *L0	OW ROP). TI	GHT FIRST	5 STANDS -	– WORK W/ 3	0 – 50 K OVER	PICK UP
10:00	11:00	1.0	L/D BIT & MUI	O MOTOR, P/U	J BIT #4 &	MUD MOTO	OR.				
11:00	15:30		RUN IN HOLE								
15:?^	16:00	0.5	WORK BACK	to tool jt u	JSING 40 -	- 50K OVER	PICK UP W	Γ.			
16	18:30		WASH/REAM F							ans a an one	10 0 1 1TD
	06:00		DRILL F/9138' 34.52 FPH.	– 9535', 15 <b>–</b> 20	K WOB, 3	5 – 50 RPM 1	@ TABLE, I	950 PSI @ 1	20 SPM = 420	GPM = 67 KP	AS @ MTK,
			FULL CREWS								
			SAFETY MEET				EEPING (1)				
			OPERATED CO	)M (5), WITNE	ESSED (2)						
			BOP DRILLS: I								
			FUEL REC'D:			720 CALS					
			FUEL ON HAN		s, USED: 1	/20 GALS.					
			BOILER 24 HR		CM 0%						
			MUD WT 10.3 BG GAS 70 U,			30'					
			FORMATION:								
			UNMANNED I								
			LOST APPROX				2.				
02-14-20	ng R	eported I		ENNY BLACI							
		•	48,193		mpletion	\$0		Dai	ily Total	\$48,193	
-	s: Drilling		758,730		mpletion	\$493			ll Total	\$759,223	
	s: Drilling				-		8	MW	10.1	Visc	34.0
MD	9,696	TVD	9,696	Progress	161	Days	0	1 <b>V1 VV</b>		epth: 0.0	2
Formation			<b>PBTD</b> : 0	.0		Perf:			IMADO	<b>:pui .</b> 0.0	
Activity a	t Report Ti	me: LD I	OP								
Start	End	Hrs	Activity Desc						100 CDM 40	0.CDM	MC @ MTD
06:00	13:00	7.0	DRILL F/9535 8.7 FPH.	' – 9596', 15 <b>–</b> 2	OK WOB,	35 – 50 RPM	@ TABLE,	1950 PSI @	120 SPM = 42	0 GPM = 67 KP	MIS @ MIR,
13:00	13:30		SERVICE RIG							120 CD14 (5	DD 45 @
13:30	23:30	10.0	DRILL F/9596 MTR, 10 FPH.	' – 9696' TD, 1 REACHED TI	5–20K WC O AT 23:30	OB, 35 – 50 R HRS, 2/13/08	PM @ TABI 3.	LE, 1950 PS	1 @ 120 SPM =	= 420 GPM = 67	RPM5 @
23:30	00:30	1.0	CIRC. FOR SH	IORT TRIP.							
00:30	03:30		WIPER TRIP - WASH 11 JTS	- HOLE WAS	ГІGHT – Р	UMP OUT 1	1 JTS. D.P.(9	377') THEN	PULL TO 893	33'. RUN IN HO	OLE &
03:30	05:30	2.0	CIRC. BOTTC			BBLS OF 13.	3 PPG MUD	– TOP OF F	PILL @ 6406'		
05:30	06:00	0.5	L/D D.P.							West Control of the C	

FULL CREWS NO ACCIDENTS.

SAFETY MEETINGS: L/D PIPE (1), STEAMLINES & BOILER (2).

OPERATED COM (5), WITNESSED (2).

BOP DRILLS: NONE.

FUEL REC'D: 0 GALS #1 DIESEL.

FUEL ON HAND: 2319 GALS, USED: 1795 GALS.

**BOILER 24 HRS.** 

MUD WT 10.3 PPG, 34 VIS, LCM 0%.

BG GAS 70 U, PEAK GAS 3118 U @ 9694'.

FORMATION: SEGO @ 9516'.

UNMANNED LOGGING UNIT - DAY 8.

LOST APPROX. 80 BBLS MUD TO HOLE ON TRIP.

WELL WAS PERMITTED TO TD OF 9710' – ACTUAL TD WAS 9696' ( AUTHORIZED BY DANNY FISHER)

02-15-20	908 Re	eported By	E	BENNY BLACK	WELL						
DailyCos	ts: Drilling	\$46,8	29	Com	pletion	\$200,747		Dail	y Total	\$247,576	
Cum Cos	ts: Drilling	\$805,	560	Com	pletion	\$201,240		Wel	l Total	\$1,006,800	
MD	9,696	TVD	9,696	Progress	0	Days	9	MW	10.0	Visc	36.0
Formatio	n:		PBTD:	0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	at Report Ti	me: RDRT/W	O COMPL	ETION							
Start	End	Hrs Ac	tivity Desc	cription							
06:00	13:30	7.5 L/D	D.P, BREA	AK KELLY, L/D	BHA. – N	O HOLE PROB	LEMS.				
13:30	14:00	0.5 PU	LL WEAR	BUSHING.							
14:00	15:00	1.0 RIC	G UP EQUII	P TO RUN 4 1/2"	PRODUC	TION CASING	i.				
15:00	22:00	7.0 HS	M – RUN 2	39 JTS OF 4 1/2'	", 11.6#, H	CP-110, LTC R	-3 CASI	NG TO 9668.	.02° AS FOLL	OWS:	
		1 E	A. CONVE	NTIONAL FLOA	AT SHOE	(1.00') SET @ 9	668', 1 S	HOE JT. CSO	G (39.84), 1 EA	<b>A</b> .	
		110 459 JT (	MARKER 3.97', 114 J & TAG W/	NAL FLOAT CO JT. (21.57') SET ITS CSG (4571.9 13' IN – NOT EN SY AND LAND	7020.6 71'), 2 PUF NOUGH R	66', 60 JTS CSG P JTS. (26.80') , OOM FOR LAN	(2405.12 1 CASIN IDING A	'), 1 EA. HC G HANGER	P-110 MARK (0.65), 1 LAN	ER JT. (21.54') DING JT 13.00	) SET @ O'. P/U TAG
22:00	23:00	1.0 RIC	G DOWN C.	ASING EQUIP	- RIG UP	CEMENTING E	EQUIP.				
23:00	01:30	BB 2.99 YL BB	LS OF FRE 8 YLD 18.2 D 5.89 GLS LS TAIL PU	CHLUMBERGE SH WATER SPA GLS/SK H20 PL //SK H2OPLUS / JMPED. RETUR SI OVER FPIP O	CER. MI LUS ADDI ADDITIVI RNS SPOR	X AND PUMP ( TIVES. TAIL 15 E, DISPLACE 14 ADIC AND PAI	CEMENT. 525 SKS ( 49.5 BBL RTIAL A	LEAD 630 S OF 50:50 PO S OF FRESH FTER LOSS	SKS "G" CEM Z G CEMENT I WATER, LOS . BUMP PLU	ENT MIXED ( MIXED @ 14 ST RETURNS	@ 11.5 PPG, .1 PPG, 1.29 W/ 100
01:30	03:30		AT 1 HR TH D TEST TO	HEN R/D CEME D 5000 PSI.	NTING H	EAD AND PUL	L LANDI	NG JT. – RU	JN PACKING	FOR PROD C	SG HANGER
03:30	05:30	2.0 NIF	PPLE DOW	N BOP AND CL	EAN PITS	S.					
05:30	06:00	0.5 RIC	G DOWN A	ND PREPARE R	IG FOR M	IOVE.					
		FU	LL CREWS	NO ACCIDENT	ΓS.						

SAFETY MEETINGS: L/D PIPE (1), RUN CSG (1), CEMENT CSG.

OPERATED COM (3), WITNESSED (1).

BOP DRILLS: NONE.

FUEL REC'D 2000 GALS #1 DIESEL.

FUEL ON HAND:3515 GALS, USED:804 GALS.

BOILER 24 HRS.

UNMANNED LOGGING UNIT - DAY 9.

MATERIALS TRANSFERRED FROM WELL HOSS 18–32 (AFE#304277) TO WELL HOSS 17–32 (AFE #304276)

ARE AS FOLLOWS:

241.52' (6 JTS.) OF 4 1/2", 11.6#, HCP-110, LTC, R-3 CASING.

3515 GALS DIESEL @ \$3.517 PER GAL.

06:00

18.0 RELEASE RIG @ 05:30 HRS, 2/15/08.

CASING POINT COST \$805 561

PBTD : 9626.0   Perf :   PKR Depth : 0.0	Daily Costs:			CASI	NG POIN	r COST \$805.5	561						
Com Costs   Lang   \$805,560   Completion   \$245,674   Well Total   \$1,051,234	Completion   \$245.674   Well Total   \$1,051,234	02-20-2008	Rep	orted By	SE	ARLE							
Cum Costs.   Sung   \$805.560   Completion   \$245.674   Well Total   \$1.051.234     Mil	Cam Costs.   mag   \$805.560   Completion   \$245.674   Well Total   \$1,051,234     Mil)   9,696   TVD   9,696   Progress   0   Days   10   MW   0.0   Visc   0.0     Timelice:   PBTD : 9626.0   Perf :   PKR Depth : 0.0     Timel :   PKR Depth : 0.0   PKR Depth : 0.0	DailyCosts: D	* *	\$0		Cor	mpletion	\$44,434		Daily '	Total	\$44,434	
PBTD	PBTD : 9626.0   Perf :   PKR Depth : 0.0			\$805,5€	50	Cor	mpletion	\$245,674		Well T	otal	\$1,051,234	
PBTD : 9626.0   Perf :   PKR Depth : 0.0	PBTD : 9626.0   Perf :   PKR Depth : 0.0	MI) 9.	696	ΓVD	9,696	Progress	0	Days	10	MW	0.0	Visc	0.0
Start   Star	Start   Frs   Activity Description   24.0   MiRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 240°. EST CEMENT TOP @ 950   23-07-2008   Reported By   MCCURDY	ation:		J		_					PKR De	pth: 0.0	
24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 240'. EST CEMENT TOP @ 9 RD SCHLUMBERGER.     33-07-2008   Reported By   MCCURDY	24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 240°. EST CEMENT TOP @ 950 RD SCHLUMBERGER.  D3-07-2008 Reported By MCCURDY  Daily Costs: D₁ing \$0 Completion \$1,653 Daily Total \$1,653 Cum Costs: Drilling \$805,560 Completion \$247,327 Well Total \$1,052,887 MID 9,696 TVD 9,696 Progress 0 Days 11 MW 0.0 Visc 0.0 Perf: PKR Depth: 0.0  Activity at Report Time: WO COMPLETION  Start End Hrs Activity Description 14:00 15:00 1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.  D3-13-2008 Reported By KERN  Daily Costs: Drilling \$0 Completion \$10.715 Daily Total \$10.715 Cum Costs: Drilling \$805,560 Completion \$258,042 Well Total \$1.063,602 MID 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc 0.0 Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0		rt Tim	e: PREP FOR	FRACS		•						
24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 240'. EST CEMENT TOP @ 9 RD SCHLUMBERGER.     33-07-2008   Reported By   MCCURDY	24.0 MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO 240°. EST CEMENT TOP @ 950 RD SCHLUMBERGER.  D3-07-2008 Reported By MCCURDY  Daily Costs: D₁ing \$0 Completion \$1.653 Daily Total \$1.653 Cum Costs: Drilling \$805,560 Completion \$247,327 Well Total \$1.052,887 MID 9,696 TVD 9,696 Progress 0 Days 11 MW 0.0 Visc 0.0 Perf: PKR Depth: 0.0  Activity at Report Time: WO COMPLETION  Start End Hrs Activity Description 14:00 15:00 1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.  D3-13-2008 Reported By KERN  Daily Costs: Drilling \$0 Completion \$10.715 Daily Total \$1.0715 Cum Costs: Drilling \$805,560 Completion \$258,042 Well Total \$1.063,602 MID 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc 0.0 Formation: MESAVERDE PBTD: 9627.0 Perf: 8291°-9481° PKR Depth: 0.0	Starı		irs Acti	vitv Desc	ription							
Daily Costs:         Dring         \$0         Completion         \$1,653         Daily Total         \$1,653           Cum Costs:         Drilling         \$805,560         Completion         \$247,327         Well Total         \$1,052,887           MD         9,696         TVD         9,696         Progress         0         Days         11         MW         0.0         Visc           Formation:         PBTD:         9626.0         Perf:         PKR Depth:         0.0           Activity at Report Time:         WO COMPLETION         Start         End         Hrs         Activity Description           14:00         15:00         1.0         NU 10M FRAC TREE.         PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.           03-13-2008         Reported By         KERN           Daily Costs:         Drilling         \$0         Completion         \$10.715         Daily Total         \$10.715           Cum Costs:         Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc           Formation:	Daily Costs: Dr::ng         \$0         Completion         \$1,653         Daily Total         \$1,653           Cum Costs: Drilling         \$805,560         Completion         \$247,327         Well Total         \$1,052,887           MD         9,696         TVD         9,696         Progress         0         Days         11         MW         0.0         Visc         0.0           Formation:         PBTD: 9626.0         Perf:         PKR Depth: 0.0         PKR Depth: 0.0         0.0           Start         End         Hrs         Activity Description         14:00         15:00         1.0         NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.           03-13-2008         Reported By         KERN           Daily Costs: Drilling         \$0         Completion         \$10,715         Daily Total         \$10,715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc         0.           Formation:         MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0 </td <td></td> <td></td> <td>24.0 MIRU</td> <td>U SCHLUI</td> <td>MBERGER. LO</td> <td>OG WITH R</td> <td>ST/CBL/CCL/V</td> <td>DL/GR F</td> <td>ROM PBTD T</td> <td>O 240'. EST</td> <td>CEMENT TOP</td> <td>@ 950'</td>			24.0 MIRU	U SCHLUI	MBERGER. LO	OG WITH R	ST/CBL/CCL/V	DL/GR F	ROM PBTD T	O 240'. EST	CEMENT TOP	@ 950'
Cum Costs: Drilling \$805,560	Cum Costs: Drilling \$805,560	3-07-2008	Rep	orted By	M	CCURDY							
Cum Costs: Drilling	Cum Costs: Drilling	DailyCosts: Di	.:ng	\$0		Co	mpletion	\$1,653		Daily '	Total	\$1,653	
MD 9,696 TVD 9,696 Progress 0 Days 11 MW 0.0 Visc  Formation: PBTD: 9626.0 Perf: PKR Depth: 0.0  Activity at Report Time: WO COMPLETION  Start End Hrs Activity Description  14:00 15:00 1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.  03-13-2008 Reported By KERN  Daily Costs: Drilling \$0 Completion \$10,715 Daily Total \$10,715  Cum Costs: Drilling \$805,560 Completion \$258,042 Well Total \$1,063,602  MD 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc  Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0	MD 9,696 TVD 9,696 Progress 0 Days 11 MW 0.0 Visc 0.0 Formation: PBTD: 9626.0 Perf: PKR Depth: 0.0  Activity at Report Time: WO COMPLETION  Start End Hrs Activity Description  14:00 15:00 1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.  03-13-2008 Reported By KERN  Daily Costs: Drilling \$0 Completion \$10.715 Daily Total \$10.715  Cum Costs: Drilling \$805,560 Completion \$258,042 Well Total \$1.063,602  MD 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc 0.  Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0	-			50	Cor	mpletion	\$247,327		Well T	<b>Fotal</b>	\$1,052,887	
Activity at Report Time: WO COMPLETION    Start   End   Hrs   Activity Description     14:00   15:00   1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.   O3-13-2008   Reported By   KERN     Daily Costs: Drilling   \$0   Completion   \$10.715   Daily Total   \$10.715     Cum Costs: Drilling   \$805,560   Completion   \$258,042   Well Total   \$1,063,602     MID   9,696   TVD   9,696   Progress   0   Days   12   MW   0.0   Visc     Formation: MESAVERDE   PBTD: 9627.0   Perf: 8291'-9481'   PKR Depth: 0.0	Activity at Report Time: WO COMPLETION  Start End Hrs Activity Description  14:00 15:00 1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.  03-13-2008 Reported By KERN  Daily Costs: Drilling \$0 Completion \$10.715 Daily Total \$10.715  Cum Costs: Drilling \$805,560 Completion \$258,042 Well Total \$1.063,602  MD 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc 0.0  Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0	<b>MD</b> 9,	,696 '	TVD	9,696	Progress	0	Days	11	MW	0.0	Visc	0.0
Start         End         Hrs         Activity Description           14:00         15:00         1.0         NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.           03-13-2008         Reported By         KERN           Daily Costs: Drilling         \$0         Completion         \$10.715         Daily Total         \$10.715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           VID         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	Start         End         Hrs         Activity Description           14:00         15:00         1.0         NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.           03-13-2008         Reported By         KERN           Daily Costs: Drilling         \$0         Completion         \$10.715         Daily Total         \$10.715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1.063,602           VID         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc         0.0           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0         0.0	formation :		]	<b>PBTD</b> : 9	626.0		Perf:			PKR De	<b>pth:</b> 0.0	
14:00       15:00       1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.         O3-13-2008       Reported By       KERN         Daily Costs: Drilling       \$0       Completion       \$10,715       Daily Total       \$10,715         Cum Costs: Drilling       \$805,560       Completion       \$258,042       Well Total       \$1,063,602         MD       9,696       TVD       9,696       Progress       0       Days       12       MW       0.0       Visc         Formation: MESAVERDE       PBTD: 9627.0       Perf: 8291'-9481'       PKR Depth: 0.0	14:00       15:00       1.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 8500 PSIG. WO COMPLETION.         O3-13-2008 Reported By KERN         Daily Costs: Drilling       \$0       Completion       \$10,715       Daily Total       \$10,715         Cum Costs: Drilling       \$805,560       Completion       \$258,042       Well Total       \$1,063,602         MD       9,696       TVD       9,696       Progress       0       Days       12       MW       0.0       Visc       0.0         Formation: MESAVERDE       PBTD: 9627.0       Perf: 8291'-9481'       PKR Depth: 0.0	Activity at Rep	ort Tim	e: WO COM	PLETION								
National Column Costs: Drilling   Sum   Completion   Sum	National Column   C	•				ription							
Daily Costs: Drilling         \$0         Completion         \$10,715         Daily Total         \$10,715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	Daily Costs: Drilling         \$0         Completion         \$10,715         Daily Total         \$10,715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc         0.0           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	14:00 15	5:00	1.0 NU I	OM FRAC	TREE. PRES	SURE TEST	ED FRAC TREE	E & CASI	ing to 8500 i	PSIG. WO C	OMPLETION.	
Daily Costs: Drilling         \$0         Completion         \$10,715         Daily Total         \$10,715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	Daily Costs: Drilling         \$0         Completion         \$10,715         Daily Total         \$10,715           Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc         0.0           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	3-13-2008	Rep	orted By	K	ERN		and the second		and a subsequence of the subsequ			
Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0	Cum Costs: Drilling         \$805,560         Completion         \$258,042         Well Total         \$1,063,602           MD         9,696         TVD         9,696         Progress         0         Days         12         MW         0.0         Visc         0.0           Formation: MESAVERDE         PBTD: 9627.0         Perf: 8291'-9481'         PKR Depth: 0.0						mpletion	\$10,715		Daily	Total	\$10,715	
MD 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0	MD 9,696 TVD 9,696 Progress 0 Days 12 MW 0.0 Visc 0. Formation: MESAVERDE PBTD: 9627.0 Perf: 8291'-9481' PKR Depth: 0.0	-	-	\$805,5	60	Co	mpletion	\$258,042		Well 7	<b>Total</b>	\$1,063,602	
Formation: MESAVERDE	Formation: MESAVERDE		_	TVD	9,696		-		12	MW	0.0	Visc	0.0
						0		•			PKR De	pth: 0.0	
REMARKS HE EXCEPTED AND COMMON ON	ACTIVITY 91 REPORT TIME: EKAL WASATUM							_ *** * ****				•	
Start End Hrs Activity Description						• • • • • • • • • • • • • • • • • • • •							

06:00 24.0 RU CUTTERS WL. PERFORATED LPR FROM 9270'-72', 9312'-13', 9325'-26', 9360'-61', 9378'-79', 9382'-83', 9386'-87', 9434'-35', 9450'-51' & 9479'-81' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. SICP 1880 PSI. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4170 GAL WF120 LINEAR PAD, 6337 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 33000? GAL YF116ST+ W/101700# 20/40 SAND @ 1-5 PPG. MTP 8250 PSIG.

MTR 50.1 BPM. ATP 5396 PSIG. ATR 46.1 BPM. ISIP 2870 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 9155'. PERFORATED MPR/LPR FROM 8899'-00', 8905'-06', 8934'-35', 8977'-78', 8989'-90', 9027'-28', 9057'-58', 9074'-75', 9103'-04', 9112'-13', 9117'-18' & 9126'-27' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4140 GAL WF120 LINEAR PAD, 6325 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 38456 GAL YF116ST+ W/133500# 20/40 SAND @ 1-5 PPG. MTP 8235 PSIG. MTR 50.3 BPM. ATP 5299 PSIG. ATR 44.6 BPM. ISIP 3200 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 8795'. PERFORATED MPR FROM 8547'-48', 8553'-54', 8560'-61', 8613'-14', 8618'-19', 8643'-44', 8650'-51', 8657'-58', 8695'-96', 8702'-03', 8761'-62' & 8767'-68' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4146 GAL WF120 LINEAR PAD, 6325 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 39068 GAL YF116ST+ W/132400# 20/40 SAND @ 1-5 PPG. MTP 8537 PSIG. MTR 50 BPM. ATP 6561 PSIG. ATR 45.8 BPM. ISIP 4700 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 8510'. PERFORATED MPR FROM 8291'-92', 8303'-04', 8327'-28', 8333'-34', 8378'-79', 8391'-92', 8403'-04', 8435'-36', 8441'-42', 8463'-64', 8471'-72' & 8486'-87' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 5188 GAL WF120 LINEAR PAD, 6326 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 64123 GAL YF116ST+ W/222900# 20/40 SAND @ 1-5 PPG. MTP 7371 PSIG. MTR 50 BPM. ATP 4399 PSIG. ATR 47.6 BPM. RD SCHLUMBERGER. SDFN.

03-14-2008	Re	ported By	y k	ŒRN							
DailyCosts: Dri	lling	\$0		C	Completion	\$428,773		Daily	Total	\$428,773	
Cum Costs: Dr	lling	\$80	05,560	C	Completion	\$686,815		Well 7	Total	\$1,492,376	
<b>MD</b> 9.	696	TVD	9,696	Progress	0	Days	13	$\mathbf{M}\mathbf{W}$	0.0	Visc	0.0
Formation:	OTA ?	'LI	PBTD:	9627.0		<b>Perf</b> : 5707'-	-9481'		PKR De <sub>l</sub>	oth: 0.0	

MESAVERDE/WASATCH

Activity at Report Time: PREP TO MIRUSU

Start	End	Hrs	<b>Activity Description</b>
06:00	06:00	24.0	RUWL SET 10K CFP A

24.0 RUWL SET 10K CFP AT 8260'. PERFORATED UPR/MPR FROM 8044'-45', 8051'-52', 8069'-70', 8095'-96', 8114'-15', 8124'-25', 8157'-58', 8170'-71', 8179'-80', 8189'-90', 8231'-32' & 8242'-43' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 5188 GAL WF120 LINEAR PAD, 6323 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 58946 GAL YF116ST+ W/205400# 20/40 SAND @ 1-5 PPG. MTP 7044 PSIG. MTR 50 BPM. ATP 4685 PSIG. ATR 47.9 BPM. ISIP 3150 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 7965'. PERFORATED UPR FROM 7733'-34', 7738'-39', 7767'-68', 7823'-24', 7836'-37', 7841'-42', 7847'-48', 7872'-73', 7877'-78', 7884'-85', 7902'-03' & 7948'-49' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4145 GAL WF120 LINEAR PAD, 6331 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 43070 GAL YF116ST+ W/152200# 20/40 SAND @ 1-5 PPG. MTP 6915 PSIG. MTR 50.2 BPM. ATP 4349 PSIG. ATR 47.5 BPM. ISIP 2400 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 7695'. PERFORATED UPR FROM 7451'-52', 7460'-61', 7468'-69', 7488'-89', 7493'-94', 7502'-03', 7533'-34', 7581'-82', 7610'-11', 7645'-46', 7671'-72' & 7677'-78' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4142 GAL WF120 LINEAR PAD, 6332 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 43106 GAL YF116ST+ W/152000# 20/40 SAND @ 1-5 PPG. MTP 6929 PSIG. MTR 50.1 BPM. ATP 3959 PSIG. ATR 47.7 BPM. ISIP 2050 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 7420'. PERFORATED NORTH HORN FROM 7164'-65', 7187'-88', 7207'-08', 7233'-34', 7250'-51', 7257'-58', 7321'-22', 7326'-27', 7363'-64', 7368'-69', 7397'-98' & 7402'-03' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING WITH 165 GAL GYPTRON T-106, 4140 GAL WF120 LINEAR PAD, 6327 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 40326 GAL YF116ST+ W/141900# 20/40 SAND @ 1-5 PPG. MTP 6867 PSIG. MTR 50.1 BPM. ATP 4137 PSIG. ATR 47.6 BPM. ISIP 2450 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6810'. PERFORATED Ba FROM 6403'-04', 6415'-16'. 6485'-86', 6513'-14', 6555'-56', 6603'-04', 6630'-31', 6664'-65', 6686'-87', 6691'-92', 6767'-68' & 6793'-94' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING W/4151 GAL WF120 LINEAR PAD, 6324 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 39426 GAL YF116ST+ W/131400# 20/40 SAND @ 1-4 PPG. MTP 7734 PSIG. MTR 50.1 BPM. ATP 4024 PSIG. ATR 47.6 BPM. ISIP 1640 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 6050'. PERFORATED Ca FROM 6018'-27' & 6030'-33' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING W/2068 GAL WF120 LINEAR PAD, 4223 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND. 19237 GAL YF116ST+ W/67900# 20/40 SAND @ 1-4 PPG. MTP 6309 PSIG. MTR 50.1 BPM. ATP 3712 PSIG. ATR 45.7 BPM. ISIP 1930 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 5975'. PERFORATED Ca FROM 5941'-47' & 5951'-57' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING W/2067 GAL WF120 LINEAR PAD, 4219 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 25951 GAL YF116ST+ W/91700# 20/40 SAND @ 1-4 PPG. MTP 6258 PSIG. MTR 50.1 BPM. ATP 3897 PSIG. ATR 46.3 BPM. ISIP 2140 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CFP AT 5850'. PERFORATED Ca FROM 5707'-08', 5720'-22', 5803'-07' & 5816'-21' @ 3 SPF & 120? PHASING. RDWL. RU SCHLUMBERGER. FRAC DOWN CASING W/2076 GAL WF120 LINEAR PAD, 6316 GAL WF120 LINEAR W/1# & 1.5# 20/40 SAND, 19514 GAL YF116ST+ W/70900# 20/40 SAND @ 1-4 PPG. MTP 5464 PSIG. MTR 37.4 BPM. ATP 3655 PSIG. ATR 35.4 BPM. ISIP 2560 PSIG. RD SCHLUMBERGER.

RUWL. SET 10K CBP AT 5608'. BLED OFF PRESSURE. RDWL. SDFN.

03-18-20	108	rted By	BA	AUSCH							
71	ts: Den Heil	\$0		Co	mpletion	\$12,860		Daily	Total	\$12,860	
	"ing	\$805,	560	Co	mpletion	\$699,675		Well	Total	\$1,505,236	
MD		Э	9,696	Progress	0	Days	14	MW	0.0	Visc	0.0
Formatio MES. R	n: RDE/Wa		<b>PBTD</b> : 9	627.0		<b>Perf</b> : 5707'	-9481'		PKR Dej	<b>pth:</b> 0.0	
Activity a	at Report	e: PREP TO	MIRUSU								
Start	End		tivity Desc	-							
07:00	16:30		RUSU. ND I		, NU BOPE.	RIH W/3-7/8"	MILL & F	PUMP OFF B	IT SUB TO T	'AG @ 5608'. RU	J <b>TO</b>
03-19-20	008 Re	ported By	В	AUSCH							
DailyCos	ts: Drilling	\$0		Co	mpletion	\$10,385		Daily	y Total	\$10,385	
Cum Cos	sts: Drilling	\$805	,560	Co	ompletion	\$710,060		Well	Total	\$1,515,621	
MD	9,696	TVD	9,696	Progress	0	Days	15	MW	0.0	Visc	0.0
Formation MESAVER	on: RDE/WASATO	СН	PBTD:	9050.0		<b>Perf</b> : 5707	'–9481'		PKR De	<b>pth:</b> 0.0	
Activity a	at Report Ti	me: FLOW 1	rest								
Start	End		tivity Des	-							
07:00	06:00	82	60', 8510', 8	CLEANED OU 3795' & 9155'. ED OFF BIT &	RIH. CLEA	NED OUT TO	GS @ 5608 PBTD @ 9	3', 5850', 597 9550'. LAND	5', 6050', 681 ED TBG AT 8	0', 7420', 7695' 8050' KB. ND B	, 7965', OPE. NU
			OWED 12 I WTR.	HRS. 24/64 CF	ioke. FTP-	- 800 PSIG, CI	P- 1000 P:	SIG. 69 BFP	H. RECOVE	RED 823 BBLS	, 14489

TUBING DETAIL: LENGTH:

PUMP OFF SUB 1.00'

1 JT 2-3/8" 4.7# N-80 TBG 32.44'

XN NIPPLE 1.30'

249 JTS 2-3/8" 4.7# N-80 TBG 8001.98'

2-3/8" N-80 NIPPLE & COUPLING .60'

BELOW KB 13.00'

02 20 2009 T	LAND		.32' KB		······································				
03-20-2008 I	Reported By	BAUSC	Н						
DailyCosts: Drilling	\$0		Completion	\$2,825		Daily	Total	\$2,825	
Cum Costs: Drilling	\$805,560	)	Completion	\$712,885		Well	Total	\$1,518,446	
<b>MD</b> 9,696	TVD	9,696 <b>Pro</b>	ogress 0	Days	16	MW	0.0	Visc	0.0
F <b>ormation :</b> MESAVERDE/WASAT		BTD: 9050.0		<b>Perf</b> : 5707'-	-9481'		PKR Dep	oth: 0.0	
Activity at Report T	ime: FLOW TEST	Γ							
Start End	Hrs Activi	ity Descriptio	n						
06:00 06:00	24.0 FLOW	ED 24 HRS. 16	6/64" CHOKE. FT	P 750 PSIG. CP 85	50 PSIG. 6	2 BFPH. RE	COVERED 14	80 BLW. 13900	BLWT
03-21-2008 I	Reported By	BAUSC	Н						
DailyCosts: Drilling	<b>s</b> \$0		Completion	\$5,154		Daily	Total	\$5,154	
Cum Costs: Drilling	\$805,560	)	Completion	\$718,039		Well	Total	\$1,523,600	
<b>MD</b> 9,696	TVD	9,696 <b>Pro</b>	ogress 0	Days	17	MW	0.0	Visc	0.0
F <b>ormation :</b> MESAVERDE/WASAI		BTD: 9050.0		<b>Perf</b> : 5707'-	-9481'		PKR Dep	oth: 0.0	
Activity at Report T	ime: FLOW TES	Γ							
Start End	Hrs Activi	ity Descriptio	on						
06:00 06:00	24.0 FLOW	ED 24 HRS. 10	6/64" CHOKE. FT	P 700 PSIG. CP 80	00 PSIG. 5	2 BFPH. REG	COVERED 12	50 BLW. 11759	BLWTI
)3-22-2008 I	Reported By	BAUSC	H				SP B C TO B WAR IN B COMMENT AS		
DailyCosts: Drilling	<b>\$</b> 0		Completion	\$2,825		Daily	Total	\$2,825	
Cum Costs: Drilling	\$805,560	)	Completion	\$720,864		Well	Total	\$1,526,425	
<b>MD</b> 9,696	TVD	9,696 <b>Pro</b>	ogress 0	Days	18	MW	0.0	Visc	0.0
	<b>P</b> ]	BTD: 9050.0		70 0					
	CH	, , , , , , , , , , , , , , , , , ,		<b>Perf</b> : 5707'-	-9481'		PKR Dep	oth: 0.0	
MESAVERDE/WASAT				<b>Perf</b> : 5707'-	-9481'		PKR Dep	oth: 0.0	
MESAVERDE/WASAT Activity at Report T	lime: FLOW TEST		n	<b>Perf</b> : 5707'-	-9481'		PKR Dep	oth: 0.0	
MESAVERDE/WASAT Activity at Report T	Cime: FLOW TEST	T ity Descriptio 'ED 24 HRS. 16	on 6/64 CHOKE. FTF			IG. 44 BFPH	-		10694
MESAVERDE/WASAT Activity at Report 1 Start End 06:00 06:00	Fime: FLOW TEST  Hrs Activit  24.0 FLOW	T ity Descriptio 'ED 24 HRS. 16	6/64 CHOKE. FTF			IG. 44 BFPH	-		10694
MESAVERDE/WASAT  Activity at Report T  Start End  06:00 06:00  03-23-2008 I	Hrs Activi 24.0 FLOW BLWT  Reported By	T ity Descriptio 'ED 24 HRS. 16 'R.	6/64 CHOKE. FTF	P- 700 PSIG, CP-			-		10694
MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-23-2008 I DailyCosts: Drilling	Hrs Activi 24.0 FLOW BLWT  Reported By  \$0	T i <b>ty Descriptio</b> TED 24 HRS. 16 R. BAUSCI	6/64 CHOKE. FTF H	P– 700 PSIG, CP–			RECOVERE Total	ED 1065 BBLS,	10694
MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00 03-23-2008 I Daily Costs: Drilling	Hrs Activi 24.0 FLOW BLWT  Reported By  \$0	T ity Descriptio ZED 24 HRS. 16 R. BAUSCI	6/64 CHOKE. FTR	P– 700 PSIG, CP–		Daily	RECOVERE Total	ED 1065 BBLS, \$2,825	10694
06:00 06:00  03–23–2008 I  DailyCosts: Drilling  Cum Costs: Drilling	Hrs Activi 24.0 FLOW BLWT  Reported By \$ \$0 \$ \$805,560  TVD	T ity Descriptio ZED 24 HRS. 16 R. BAUSCI	6/64 CHOKE. FTR  H  Completion	P- 700 PSIG, CP- \$2,825 \$723,689	- 1000 PS	Daily Well	. RECOVERE Total Total	\$2,825 \$1,529,250 <b>Visc</b>	
MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-23-2008 I Daily Costs: Drilling Cum Costs: Drilling MD 9,696 Formation:	Hrs Activi 24.0 FLOW BLWT  Reported By  \$ \$0 \$ \$805,560  TVD	ity Description FED 24 HRS. 16 R. BAUSCI  9,696 Pro BTD: 9050.0	6/64 CHOKE. FTR  H  Completion	P- 700 PSIG, CP- \$2,825 \$723,689 <b>Days</b>	- 1000 PS	Daily Well	RECOVERE Total Total 0.0	\$2,825 \$1,529,250 <b>Visc</b>	

12 24 2008 D	eported By	BA	USCH							
	\$0 \$0	Δ.		mpletion	\$2,825		Daily	Total	\$2,825	
DailyCosts: Drilling	\$0 \$805,5	560		mpletion	\$726,514		Well'		\$1,532,075	
Cum Costs: Drilling				_		20	MW	0.0	Visc	0.0
<b>4D</b> 9,696	TVD	9,696	Progress		<b>Days Perf:</b> 5707'-		147.44	PKR Der		
Formation : MESAVERDE/WASATO	CH	<b>PBTD</b> : 90	J5U.U		1611.5707 -	7401				
Activity at Report Ti										
Start End		tivity Desci			o Bara a Bar	co DCIC	20 DEDLI DE	COVERED 7	735 BI W 0114 B	I WTR
06:00 06:00	24.0 FLC	OWED 24 H	RS. 16/64" CF	IOKE. FTP 80	10 PSIG. CP 23:	50 PSIG.	JU DEFEI. KE	COVERED	735 BLW. 9114 B	
03-25-2008 R	eported By	BA	AUSCH						¢0.005	
DailyCosts: Drilling	\$0		Co	mpletion	\$2,825		-	Total	\$2,825	
Cum Costs: Drilling	\$805,	560	Co	mpletion	\$729,339		Well	Total	\$1,534,900	
<b>MD</b> 9,696	TVD	9,696	Progress	0	Days	21	$\mathbf{MW}$	0.0	Visc	0.0
<b>Formation :</b> MESAVERDE/WASATO	СН	<b>PBTD</b> : 9	050.0		<b>Perf</b> : 5707'-	-9481'		PKR De <sub>l</sub>	<b>pth:</b> 0.0	
Activity at Report T	ime: FLOW T	EST								
Start End	Hrs Ac	tivity Desc	ription							
06:00 06:00	24.0 FL	OWED 24 H	IRS. 24/64" CI	HOKE. FTP 7	50 PSIG. CP 23	300 PSIG	. 51 BFPH. R	ECOVERED	1235 BLW. 7879	BLWTF
03-26-2008 R	Reported By	В	AUSCH							
LailyCosts: Drilling	\$0		C	ompletion	\$2,825		Dail	y Total	\$2,825	
LailyCosts: Drilling Cum Costs: Drilling	,	,560		ompletion ompletion	\$2,825 \$732,164			y Total Total	\$2,825 \$1,537,725	
	,	,560 9,696		•		22		•		0.0
Cum Costs: Drilling MD 9,696	\$805, TVD		Co Progress	ompletion	\$732,164		Well	Total	\$1,537,725 <b>Visc</b>	0.0
Cum Costs: Drilling MD 9,696  Formation:	\$805. TVD	9,696 <b>PBTD</b> : 9	Co Progress	ompletion	\$732,164 <b>Days</b>		Well	<b>Total</b> 0.0	\$1,537,725 <b>Visc</b>	0.0
Cum Costs: Drilling MD 9,696  Formation: MESAVERDE/WASAT	TVD  CH  Time: FLOW T	9,696  PBTD: 9  TEST.  ctivity Desc	Progress 9050.0 cription	ompletion 0	\$732,164 <b>Days Perf</b> : 5707'-	-9481'	Well	Total 0.0 PKR De	\$1,537,725 Visc pth: 0.0	
Cum Costs: Drilling MD 9.696  Formation: MESAVERDE/WASAT Activity at Report T	\$805.  TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL	9,696  PBTD: 9  TEST.  ctivity Desc	Progress 9050.0 cription	ompletion 0	\$732,164 <b>Days Perf</b> : 5707'-	-9481'	Well	Total 0.0 PKR De	\$1,537,725 <b>Visc</b>	
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00	\$805.  TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL	9,696  PBTD: 9  FEST.  ctivity Desc.  COWED 24 F.  LWTR.	Progress 9050.0 cription	ompletion 0	\$732,164 <b>Days Perf</b> : 5707'-	-9481'	Well MW SIG. 45 BFPI	O.0 PKR De	\$1,537,725 <b>Visc</b> <b>pth</b> : 0.0	
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00	TVD TCH Time: FLOW T Hrs Ac 24.0 FL BI Reported By	9,696  PBTD: 9  FEST.  ctivity Desc.  COWED 24 F.  LWTR.	Progress 9050.0 cription HRS. 24/64 CH	ompletion 0	\$732,164 <b>Days Perf</b> : 5707'-	-9481'	Well MW SIG. 45 BFPI Dail	O.0 PKR De  H. RECOVER	\$1,537,725 <b>Visc</b> <b>:</b> 0.0 RED 1080 BBLS. \$2,825	
Cum Costs: Drilling MD 9,696  Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00	TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL  BI  Reported By  \$0	9,696  PBTD: 9  FEST.  ctivity Desc.  COWED 24 F.  LWTR.	Progress 9050.0 cription HRS. 24/64 CH	ompletion  0  HOKE. FTP-	\$732,164 <b>Days Perf:</b> 5707'-	-9481'	Well MW SIG. 45 BFPI Dail	O.0 PKR De  H. RECOVER  Iy Total  I Total	\$1,537,725 <b>Visc</b> <b>:</b> 0.0 RED 1080 BBLS. \$2,825 \$1,540,550	, 6799
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 D Daily Costs: Drilling	TVD TCH Time: FLOW T Hrs Ac 24.0 FL BI Reported By g \$0 g \$805	9,696  PBTD: 9  FEST.  ctivity Desc.  OWED 24 F.  LWTR.	Progress 9050.0 cription HRS. 24/64 CH	ompletion  0  HOKE. FTP-  completion	\$732,164 <b>Days Perf:</b> 5707'-  900 PSIG, CP-  \$2,825	-9481'	Well MW SIG. 45 BFPI Dail	O.0  PKR De  H. RECOVER  Ly Total  1 Total  0.0	\$1,537,725 <b>Visc</b> <b>pth</b> : 0.0 RED 1080 BBLS. \$2,825 \$1,540,550 <b>Visc</b>	
MD 9,696  Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 I DailyCosts: Drilling Cum Costs: Drilling	TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL  B1  Reported By  g \$0  g \$805  TVD	9,696  PBTD: 9  TEST.  ctivity Desc.  COWED 24 H  LWTR.  B	Progress 9050.0  cription HRS. 24/64 CH BAUSCH CO Progress	ompletion  0  HOKE. FTP-  completion	\$732,164 <b>Days Perf:</b> 5707'-  900 PSIG, CP-  \$2,825  \$734,989	–9481' – 2100 P	Well MW SIG. 45 BFPI Dail Wel	O.0 PKR De  H. RECOVER  Ly Total 1 Total  0.0	\$1,537,725 <b>Visc</b> <b>:</b> 0.0 RED 1080 BBLS. \$2,825 \$1,540,550	, 6799
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 I Daily Costs: Drilling Cum Costs: Drilling MD 9,696 Formation:	TVD  TCH  Time: FLOW 1  Hrs Ac  24.0 FL  BI  Reported By  g \$0  g \$805  TVD	9,696  PBTD: 9  TEST.  ctivity Desc.  OWED 24 H  LWTR.  B  5,560  9,696  PBTD:	Progress 9050.0  cription HRS. 24/64 CH BAUSCH CO Progress	ompletion  0  HOKE. FTP-  completion	\$732,164  Days  Perf: 5707'-  900 PSIG, CP-  \$2,825  \$734,989  Days	–9481' – 2100 P	Well MW SIG. 45 BFPI Dail Wel	O.0 PKR De  H. RECOVER  Ly Total 1 Total  0.0	\$1,537,725 <b>Visc</b> <b>pth</b> : 0.0 RED 1080 BBLS. \$2,825 \$1,540,550 <b>Visc</b>	, 6799
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 I Daily Costs: Drilling Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT	TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL  BI  Reported By  g \$0  g \$805  TVD  FCH  Fime: FLOW  Hrs A	9,696  PBTD: 9  TEST.  ctivity Desc.  LWTR.  B  5,560  9,696  PBTD:  TEST  ctivity Desc.	Progress 9050.0  cription HRS. 24/64 CH CO Progress 9050.0	ompletion  0  HOKE. FTP-  completion  0	\$732,164  Days  Perf: 5707'-  900 PSIG, CP-  \$2,825  \$734,989  Days  Perf: 5707'	-9481' - 2100 P 23	Well MW SIG. 45 BFPI Dail Wel MW	O.0 PKR De  H. RECOVER  Ly Total O.0 PKR De	\$1,537,725  Visc  pth: 0.0  RED 1080 BBLS.  \$2,825  \$1,540,550  Visc  epth: 0.0	, 6799 0.6
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 DailyCosts: Drilling Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T	TVD  TCH  Time: FLOW 1  Hrs Ad  24.0 FL  Reported By  g \$0  g \$805  TVD  FCH  Fime: FLOW  424.0 FL	9,696  PBTD: 9  TEST.  ctivity Desc.  LWTR.  B  5,560  9,696  PBTD:  TEST  ctivity Desc.	Progress 9050.0  cription HRS. 24/64 CH CO Progress 9050.0	ompletion  0  HOKE. FTP-  completion  0	\$732,164  Days  Perf: 5707'-  900 PSIG, CP-  \$2,825  \$734,989  Days  Perf: 5707'	-9481' - 2100 P 23	Well MW SIG. 45 BFPI Dail Wel MW	O.0 PKR De  H. RECOVER  Ly Total O.0 PKR De	\$1,537,725 <b>Visc</b> <b>pth</b> : 0.0 RED 1080 BBLS. \$2,825 \$1,540,550 <b>Visc</b>	, 6799 0.6
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 I Daily Costs: Drilling Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00	TVD  TCH  Time: FLOW 1  Hrs Ad  24.0 FL  Reported By  g \$0  g \$805  TVD  FCH  Fime: FLOW  424.0 FL	9,696  PBTD: 9  TEST.  ctivity Desc.  LWTR.  B  5,560  9,696  PBTD:  TEST  ctivity Desc.  LOWED 24 H  LWTR.	Progress 9050.0  cription HRS. 24/64 CH CO Progress 9050.0	ompletion  0  HOKE. FTP-  completion  0	\$732,164  Days  Perf: 5707'-  900 PSIG, CP-  \$2,825  \$734,989  Days  Perf: 5707'	-9481' - 2100 P 23	Well MW SIG. 45 BFPI Dail Wel MW	O.0 PKR De  H. RECOVER  Ly Total O.0 PKR De	\$1,537,725  Visc  pth: 0.0  RED 1080 BBLS.  \$2,825  \$1,540,550  Visc  epth: 0.0	, 6799 0.6
Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00  03-27-2008 I Daily Costs: Drilling Cum Costs: Drilling MD 9,696 Formation: MESAVERDE/WASAT Activity at Report T Start End 06:00 06:00	TVD  TCH  Time: FLOW T  Hrs Ac  24.0 FL  BI  Reported By  S  TVD  TCH  Fime: FLOW  Hrs A  24.0 FL  BB  Reported By	9,696  PBTD: 9  TEST.  ctivity Desc.  LWTR.  B  5,560  9,696  PBTD:  TEST  ctivity Desc.  LOWED 24 H  LWTR.	Progress 9050.0  cription HRS. 24/64 CH  AUSCH  Progress 9050.0  scription HRS. 24/64 C	ompletion  0  HOKE. FTP-  completion  0	\$732,164  Days  Perf: 5707'-  900 PSIG, CP-  \$2,825  \$734,989  Days  Perf: 5707'	-9481' - 2100 P 23	Well MW  SIG. 45 BFPI  Dail Wel MW	O.0 PKR De  H. RECOVER  Ly Total O.0 PKR De	\$1,537,725  Visc  pth: 0.0  RED 1080 BBLS.  \$2,825  \$1,540,550  Visc  epth: 0.0	, 6799 0.6

MD9,696 TVD 9,696 **Progress** 0 Days MW0.0 Visc 0.0 Formation: **PBTD:** 9050.0 Perf: 5707'-9481' PKR Depth: 0.0 MESAVERDE/WASATCH Activity at Report Time: FLOW TEST Start End Hrs **Activity Description** 24.0 FLOWED 24 HRS. 24/64" CHOKE. FTP 900 PSIG. CP 1800 PSIG. 35 BFPH. RECOVERED 840 BLW. 5053 BLWTR. 06:00 06:00 03-29-2008 Reported By BAUSCH DailyCosts: Drilling \$0 \$2,825 Completion **Daily Total** \$2,825 **Cum Costs: Drilling** \$805,560 Completion \$741,369 Well Total \$1,546,930 MD 9,696 TVD 9,696 0 **Progress** Days 25 MW0.0 0.0 Visc Formation: **PBTD:** 9050.0 Perf: 5707'-9481' PKR Depth: 0.0 MESAVERDE/WASATCH Activity at Report Time: FLOW TEST. Start End Hrs **Activity Description** 24.0 FLOWED 24 HRS. 24/64" CHOKE. FTP 900 PSIG. CP 1700 PSIG. 32 BFPH. RECOVERED 765 BLW. 4288 BLWTR. 06:00 06:00 03-30-2008 BAUSCH Reported By DailyCosts: Drilling \$0 Completion \$2,825 **Daily Total** \$2,825 **Cum Costs: Drilling** \$805,560 Completion \$744,194 Well Total \$1,549,755 MD9,696 TVD 9,696 0 **Progress** 26 0.0 Days MW Visc 0.0 Formation: **PBTD:** 9050.0 Perf: 5707'-9481' PKR Depth: 0.0 MESAVERDE/WASATCH Activity at Report Time: WO FACILITIES Start End Hrs **Activity Description** 06:00 06:00 24.0 FLOWED 24 HRS. 24/64" CHOKE. FTP 900 PSIG. CP 1700 PSIG. 21 BFPH. RECOVERED 511 BLW. 3777 BLWTR. SI. WO FACILITIES. FINAL COMPLETION DATE: 3/29/08 04-24-2008 DUANE COOK Reported By DailyCosts: Drilling \$0 Completion \$0 **Daily Total** \$0 **Cum Costs: Drilling** \$805,560 Completion \$744,194 **Well Total** \$1,549,755 MD 9,696 TVD 9,696 **Progress** Days 27 MW0.0 0.0 Visc Formation: **PBTD**: 9050.0 Perf: 5707'-9481' PKR Depth: 0.0 MESAVERDE/WASATCH Activity at Report Time: INITIAL PRODUCTION-FIRST GAS SALES Start End Hrs **Activity Description** 06:00 06:00 24.0 INITIAL PRODUCTION: TURNED TO GAS SALES. SITP 1000 & SICP 2350 PSIG. TURNED WELL TO QUESTAR SALES AT 1:00 PM, 4/22/08. FLOWING 217 MCFD RATE ON 12/64" POS CK. STATIC 470.

FLOWED 229 MCF40 BC & 180 BW IN 24 HRS ON 12/64" CHOKE, TP 1100 PSIG, CP 2350 PSIG.

Form 3160-4 (August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

	WELL (	COMPL	ETION C	RR	ECO	MPL	ETIC	N RE	PORT	F AND L	.OG				ease Serial ITU56965	No.	
1a. Type of	_	Oil Well	☑ Gas ¹	Well	<b>0</b> I	Ory		ther						6. If	Indian, All	ottee or	Tribe Name
b. Type of	f Completion	<b>⋈</b> N Othe		□ Wo	ork Ov	er	□ De	epen	☐ Plu	ig Back	<b>D</b> D	oiff. R	esvr.	7. U	nit or CA A	greeme	ent Name and No.
2. Name of EOG R	Operator ESOURCES	S, INC.	E	-Mail:	mary_	Conta maes	ct: M	ARY A. eogres	MAES ources.	TAS com					ease Name IOSS 18-3		ill No.
3. Address	600 17TH DENVER,			NOC						No. (include 24-5526	e area	code)		9. A	PI Well No		43-047-38905
4. Location	of Well (Re	port locati	on clearly an	d in ac	cordar	nce wi	th Fed	eral requ	uirement	s)*				10. F	Field and Po	ool, or F	Exploratory S/WASATCH/MV
	ce SESW					•				100 050	20 14/1			11. 5	Sec., T., R.,	M., or	Block and Survey 3S R23E Mer SLB
	rod interval r	•								, 109.3536	ו אא פכ	Lon		12. (	County or P		13. State
At total  14. Date Sp		SW 993F	SL 1866FW 15. Da				, 109.	35368 T		e Complet	ad				IINTAH	DE VE	UT 3, RT, GL)*
01/08/2	2008			/13/20		ileu			□ D 8	22/2008	Ready	y to Pr	rod.	17. 1		05 GL	, K1, GL)
18. Total D		MD TVD	9696				Back T	.D.:	MD TVD	90	50		20. Dep	oth Bri	dge Plug Se		MD TVD
21. Type E RST/CE	lectric & Oth 3L/CCL/VDL	er Mechai JGR	nical Logs Ri	un (Sul	omit co	opy of	each)				Y	Was D	vell cored OST run? ional Sur		<b>⊠</b> No	☐ Yes	(Submit analysis) (Submit analysis) (Submit analysis)
23. Casing ar	nd Liner Reco	ord (Repo	rt all strings	set in	well)						·						
Hole Size	Size/G	rade	Wt. (#/ft.)	To (M	-		tom ID)	1 -	Cemente epth	r No. c Type c	of Sks. of Cem		Slurry (BB		Cement '	Гор*	Amount Pulled
12.250	<del>                                     </del>	25 J-55	36.0		0		2575	1				665					
7.875	4.50	0 P-110	11.6		0		9668			+		<u> 2155</u>					
										1							
									•								
O4 Tubina	Danad							<u> </u>									
24. Tubing Size	Depth Set (M	ID) P:	acker Depth	(MD)	Si	7e T	Dent	h Set (N	(D) T	Packer De	oth (M	(D)	Size	De	pth Set (M	D)   .	Packer Depth (MD)
2.375		3050	OKOI DOPAI				Борс	11 001 (11	12)	Tucker De	Jui (111	, D)	SIEC	Du	par set (W		t deker Bepan (wwb)
25. Producii	ng Intervals						26.	Perfora	tion Rec	ord							
	ormation		Top	F707	Во	ttom	_	P	erforated	d Interval	0.046	+	Size	1	No. Holes		Perf. Status
B)	H/MESAVE	RUE		5707		948	1			9270 T 8899 T				╅	3 3	1	
C)							1			8547 T		_		十	3	_	
D)										8291 T	O 848	37			3		
	acture, Treat		nent Squeeze	, Etc.											w.,		
	Depth Interva		181 43,672 (	SALS C	FLLF	D WAT	FR &	101 700		Amount and	Туре	ot M	aterial		R	ECI	EIVED
_			27 49,086 0														
	85	47 TO 87	68 49,704	GALS G	ELLE	D WAT	ER &	132,400	# 20/40	SAND					į M	AY 2	2008
20. Due de est			75,802 (	GALS C	ELLE	D WA	ER &	222,900	# 20/40	SAND					אין סר	Oil 6	210.0.140
Date First	on - Interval	Hours	Test	Oil		Gas	1	Water	Oil 0	Gravity	Te	Gas		Producti	ion Method	OIL, (	SAS & MINING
Produced 04/22/2008	Date 04/29/2008	Tested 24	Production	BBL 5.0		мсғ 643		3BL 100.0		, API	ľ	Gravity			FLOV	NS FBC	OM WELL
Choke	Tbg. Press.	Csg.	24 Hr.	Oil		Gas	7	Water	Gas:			Well St	atus		, 101		
lize 12/64"	Flwg. 1500 SI	Press. 2200.0	Rate	BBL 5	1	MCF 64		3BL 100	Ratio	0		Р	GW				
	tion - Interva	1															
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF		Water BBL		Gravity :. API		Gas Gravity		Product	ion Method		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF		Water BBL	Gas: Rati			Well St	atus				
	SI	l		l	- 1		- 1										

28b. Produ	uction - Interv	al C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr, API	Gas Gravit	ty	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	Status		
28c. Produ	action - Interv	al D					•				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravit	ty	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	Status		
29. Dispos	sition of Gas(S	Sold, used fo	or fuel, vent	ed, etc.)	•	<u> </u>					
30. Summ Show tests, i	ary of Porous	ones of poi	osity and co	ontents there	eof: Cored in tool open,	ntervals and a flowing and s	ll drill-stem shut-in pressure	es	31. For	rmation (Log) Markers	
	Formation		Тор	Bottom		Description	s, Contents, etc	<b>c</b> .		Name	Top Meas. Depth
32. Additi	onal remarks (e see the atta	include plu	gging proceet for detail	9481  edure): led perforat	tion and ad	lditional form	nation marker		MA UT WA CH BU PR	REEN RIVER IHOGANY ELAND BUTTE ASATCH BAPITA WELLS ICK CANYON BICE RIVER DDLE PRICE RIVER	2081 27720 4833 5029 5635 6289 7436 8134
1. Ele 5. Sur	enclosed attac ctrical/Mechan dry Notice fo	nical Logs ( r plugging a	and cement	verification hed informa	tion is comp	76 Verified	ysis ect as determin by the BLM W	7 ed from all		e records (see attached instruct	onal Survey
NI	(nlages mains)	MADV A	MAESTAS		r EOG RES	SOURCES, I	INC., sent to t	he Vernal		CICTANT	
Signat	ure	١	Submissi	$\sqrt{\Lambda}$	wfa			05/19/2008		to make to only deportment on	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

#### Hoss 18-32 - ADDITIONAL REMARKS (CONTINUED):

#### 26. PERFORATION RECORD

8044-8243	3/spf
7733-7949	3/spf
7451-7678	3/spf
7164-7403	3/spf
6403-6794	3/spf
6018-6033	3/spf
5941-5957	3/spf
5707-5821	3/spf

#### 27. ACID, FRACTURE TREATMENT, CEMENT SQUEEZE, ETC.

8044-8243	70,622 GALS GELLED WATER & 205,400# 20/40 SAND
7733-7949	53,711 GALS GELLED WATER & 152,200# 20/40 SAND
7451-7678	53,745 GALS GELLED WATER & 152,000# 20/40 SAND
7164-7403	50,958 GALS GELLED WATER & 141,900# 20/40 SAND
6403-6794	49,901 GALS GELLED WATER & 131,400# 20/40 SAND
6018-6033	25,528 GALS GELLED WATER & 67,900# 20/40 SAND
5941-5957	32,237 GALS GELLED WATER & 91,700# 20/40 SAND
5707-5821	27,906 GALS GELLED WATER & 70,900# 20/40 SAND

Perforated the Lower Price River from 9270-72', 9312-13', 9325-26', 9360-61', 9378-79', 9382-83', 9386-87', 9434-35', 9450-51' & 9479-81' w/ 3 spf.

Perforated the Middle/Lower Price River from 8899-8900', 8905-06', 8934-35', 8977-78', 8989-90', 9027-28', 9057-58', 9074-75', 9103-04', 9112-13', 9117-18' & 9126-27' w/ 3 spf.

Perforated the Middle Price River from 8547-48', 8553-54', 8560-61', 8613-14', 8618-19', 8643-44', 8650-51', 8657-58', 8695-96', 8702-03', 8761-62' & 8767-68' w/ 3 spf.

Perforated the Middle Price River from 8291-92', 8303-04', 8327-28', 8333-34', 8378-79', 8391-92', 8403-04', 8435-36', 8441-42', 8463-64', 8471-72' & 8486-87' w/ 3 spf.

Perforated the Upper/Middle Price River from 8044-45', 8051-52', 8069-70', 8095-96', 8114-15', 8124-25', 8157-58', 8170-71', 8179-80', 8189-90', 8231-32' & 8243-43' w/ 3 spf.

Perforated the Upper Price River from 7733-34', 7738-39', 7767-68', 7823-24', 7836-37', 7841-42', 7847-48', 7872-73', 7877-78', 7884-85', 7902-03' & 7948-49' w/ 3 spf.

Perforated the Upper Price River from 7451-52', 7460-61', 7468-69', 7488-89', 7493-94', 7502-03', 7533-34', 7581-82', 7610-11', 7645-46', 7671-72' & 7677-78' w/ 3 spf.

Perforated the North Horn from 7164-65', 7187-88', 7207-08', 7233-34', 7250-51', 7257-58', 7321-22', 7326-27', 7363-64', 7368-69', 7397-98' & 7402-03' w/ 3 spf.

Perforated the Ba from 6403-04', 6415-16', 6485-86', 6513-14', 6555-56', 6603-04', 6630-31', 6664-65', 6686-87', 6691-92', 6767-68' & 6793-94' w' 3 spf.

Perforated the Ca from 6018-27' & 6030-33' w/ 3 spf.

Perforated the Ca from 5941-47' & 5951-57' w/ 3 spf.

Perforated the Ca from 5707-08', 5720-22', 5803-07' & 5816-21' w/ 3 spf.

### **52. FORMATION (LOG) MARKERS**

Lower Price River	8973
Sego	9518

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and	I number: HOS	S 18-32					
API number: 4	1304738905						
Well Location:	QQ <u>SESW</u> Sec	tion <u>32</u>	Township <u>8S</u> Ran	ge <u>23</u> E	_ Cou	nty_UINTAH	
Well operator:	EOG						
Address:	1060 E HWY 4	0					
	city VERNAL		state UT zip 84078	3	Ph	one: (435) 781-9111	
Drilling contract	tor: PRO PETF	RO					
Address:	PO BOX 827						
	city VERNAL		state UT zip 84078	3	Ph	one: <u>(435) 789-4729</u>	
Water encount	ered (attach add	litional page	es as needed):				
Г	DEPT	 TH	VOLUM	 1E		QUALITY	
	FROM	то	(FLOW RATE O			(FRESH OR SALTY)	
			NO WAT	ER			
-							
		···					
-				.,			
-							
-							
Ĺ	·						
Formation tops	s: 1 <u>.</u>		2			3	
(Top to Bottom)	4 .		5			6	
	7 .		8 _			9	
	10 .		11			12	
If an analysis h	nas been made o	of the water	encountered, please	attach a c	ору с	of the report to this form.	
I hereby certify t	hat this report is tr	ue and comple	ete to the best of my know	vledae.			
	Mary A Mao	-	to to the boot of my mion		Rea	ulatory Assistant	
NAME (PLEASE PRIN	$\sqrt{\frac{1}{1000000000000000000000000000000000$	$\frac{1}{1}$	- i		5/20	)/2008	
SIGNATURE	may c	<u>(, )/\</u>	aja	DATE			
(5/2000)	_						